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## 1.5 binutils 2.21

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However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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## 1.6 udhcp 0.9.6

### 1.6.1 Available under license :

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# 1.7 autoconf 2.65

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/\*

Mode switching tool for controlling flip flop (multiple device) USB gear  
Version 1.0.5, 2009/08/26

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Command line parsing, decent usage/config output/handling, bugfixes and advanced options added by:

Joakim Wennergren (jokedst) (gmail.com)

TargetClass parameter implementation to support new Option devices/firmware:  
Paul Hardwick (<http://www.pharscape.org>)

Created with initial help from:

"usbsnoop2libusb.pl" by Timo Lindfors (<http://iki.fi/lindi/usb/usbsnoop2libusb.pl>)

Config file parsing stuff borrowed from:

Guillaume Dargaud (<http://www.gdargaud.net/Hack/SourceCode.html>)

Hexstr2bin function borrowed from:

Jouni Malinen ([http://hostap.epitest.fi/wpa\\_supplicant](http://hostap.epitest.fi/wpa_supplicant), from "common.c")

Code, fixes and ideas from:

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\*/

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\*/

# 1.11 libnfnethlink 1.0.0

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/\* libnfnethlink.c: generic library for communication with netfilter

\*

\* (C) 2002-2006 by Harald Welte <laforge@gnumonks.org>

\* (C) 2006 by Pablo Neira Ayuso <pablo@netfilter.org>

\*

\* Based on some original ideas from Jay Schulist <jschlst@samba.org>

\*

\* Development of this code funded by Astaro AG (<http://www.astaro.com>)

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\*

\* 2005-09-14 Pablo Neira Ayuso <pablo@netfilter.org>:

\* Define structure nfnlhdr

\* Added \_\_be64\_to\_cpu function

\* Use NFA\_TYPE macro to get the attribute type

\*

\* 2006-01-14 Harald Welte <laforge@netfilter.org>:

\* introduce nfnl\_subsys\_handle

\*

\* 2006-01-15 Pablo Neira Ayuso <pablo@netfilter.org>:

\* set missing subsys\_id in nfnl\_subsys\_open

\* set missing nfnlh->local.nl\_pid in nfnl\_open

\*

\* 2006-01-26 Harald Welte <laforge@netfilter.org>:

\* remove bogus nfnlh->local.nl\_pid from nfnl\_open ;)

\* add 16bit attribute functions

\*

\* 2006-07-03 Pablo Neira Ayuso <pablo@netfilter.org>:



- \* add iterator API
- \* add replacements for nfnl\_listen and nfnl\_talk
- \* fix error handling
- \* add assertions
- \* add documentation
- \* minor cleanups
- \*/

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Version 2, June 1991

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That's all there is to it!

From gsf@research.att.com Wed Mar 1 20:30:54 2006

Return-Path: <gsf@research.att.com>

X-Original-To: mps@bridge.intra

Delivered-To: mps@bridge.intra

Received: from localhost (localhost [127.0.0.1])

by localhost (Postfix) with ESMTP id B8C814E4F

for <mps@bridge.intra>; Wed, 1 Mar 2006 20:30:53 +0100 (CET)

Received: from mail.bridge.intra ([127.0.0.1])

by localhost (lnx.bridge.intra [127.0.0.1]) (amavisd-new, port 10024)

with LMTP id 05987-03 for <mps@bridge.intra>;

Wed, 1 Mar 2006 20:30:42 +0100 (CET)

Received: from pop.gmx.net (localhost [127.0.0.1])

by mail.bridge.intra (Postfix) with ESMTP id C8C73794D

for <mps@bridge.intra>; Wed, 1 Mar 2006 20:30:38 +0100 (CET)

X-Flags: 0000

Delivered-To: GMX delivery to ps.m@gmx.net

Received: (qmail invoked by alias); 01 Mar 2006 19:23:46 -0000

Received: from mail-red.research.att.com (EHLO mail-white.research.att.com) [192.20.225.110]

by mx0.gmx.net (mx085) with SMTP; 01 Mar 2006 20:23:46 +0100

Received: from raptor.research.att.com (raptor.research.att.com [135.207.23.32])

by mail-blue.research.att.com (Postfix) with ESMTP id B7929147CBB

for <ps.m@gmx.net>; Wed, 1 Mar 2006 14:23:45 -0500 (EST)

Received: (from gsf@localhost)

by raptor.research.att.com (SGI-8.9.3p2/8.8.7) id OAA86112

for ps.m@gmx.net; Wed, 1 Mar 2006 14:23:45 -0500 (EST)

Date: Wed, 1 Mar 2006 14:23:45 -0500 (EST)

From: Glenn Fowler <gsf@research.att.com>

Message-Id: <200603011923.OAA86112@raptor.research.att.com>

Organization: AT&T Research

X-Mailer: mailx (AT&T/BSD) 9.9 2005-04-21

Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit



References: <Pine.LNX.4.44.0603012011250.6386-100000@lnx.bridge.intra>

To: mps@bridge.intra

Subject: Re: testregex licensing question

X-GMX-Antivirus: -1 (not scanned, may not use virus scanner)

X-GMX-Antispam: 0 (Mail was not recognized as spam)

X-GMX-UID: lJF3ZO9DeSEkJ2TcbHQhaXN1IGRvb0Ca

X-Virus-Scanned: by amavisd-new at localhost

Status: RO

X-Status:

X-Keywords:

X-UID: 44736

you may include it directly  
retain the testregex.c header comment  
it uses a very free license to maximize distribution  
you can copy that .c comment to any test data files you use  
using # comment style to be complete

let me know how it works with your libc  
also pass on any new tests you cook up

On Wed, 1 Mar 2006 20:15:02 +0100 (CET) Peter S. Mazinger wrote:

> Hello Glenn!

> I would want to add testregex.c and the related \*.dat files to the uClibc  
> testsuite. uClibc is licensed under LGPL v2.1. I haven't found any  
> licensing related info on testregex.

> Is it allowed to use the code there, or should I accomodate the testsuite  
> to download the needed files from the original site each time it is ran?

> Thanks, Peter

> --

> Peter S. Mazinger <ps dot m at gmx dot net> ID: 0xA5F059F2

> Key fingerprint = 92A4 31E1 56BC 3D5A 2D08 BB6E C389 975E A5F0 59F2

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jseward@bzip.org

bzip2/libbzip2 version 1.0.4 of 20 December 2006

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## 1.18 openswan 2.6.39

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`linux/include/openswan.h`, `linux/include/openswan/ipsec_kversion.h`,  
`linux/include/openswan/ipsec_param2.h`,  
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linux/net/ipsec/inffast.c, linux/net/ipsec/infblock.h,  
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Jean-loup Gailly      Mark Adler  
jloup@gzip.org      madler@alumni.caltech.edu

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\* include/arpa/nameser.h, include/sysqueue.h, lib/libisc/inet\_aton.c,

lib/liblwres/herror.c, lib/liblwres/lwinetaton.c,

linux/include/openswan/radij.h, linux/net/ipsec/radij.c,

testing/utils/uml\_netjig/getopt\_long.c

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\* lib/libdns/dst\_internal.h

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\* lib/libisc/inet\_aton.c, lib/liblwres/lwinetaton.c

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\* include/libbsdkey/libpfkey.h, lib/libbsdkey/\*, lib/liblwres/getnameinfo.c

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The author of this code is Angelos D. Keromytis (angelos@cis.upenn.edu)

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\* lib/libcrypto/liboswcrypto/cryptodev.c

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\* linux/include/openswan/pfkeyv2.h

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Harald Jenny and Rene Mayrhofer, 2010-03-27

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## 1.21 sysstat 9.0.3

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## 1.28 urlfilterd 0.0.12.0

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```
/* libnfnlink.c: generic library for communication with netfilter
*
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* (C) 2006 by Pablo Neira Ayuso <pablo@netfilter.org>
*
* Based on some original ideas from Jay Schulist <jschlst@samba.org>
*
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*
* 2005-09-14 Pablo Neira Ayuso <pablo@netfilter.org>:
*   Define structure nfnlhdr
*   Added __be64_to_cpu function
*   Use NFA_TYPE macro to get the attribute type
*
* 2006-01-14 Harald Welte <laforge@netfilter.org>:
*   introduce nfnl_subsys_handle
*
* 2006-01-15 Pablo Neira Ayuso <pablo@netfilter.org>:
*   set missing subsys_id in nfnl_subsys_open
*   set missing nfnlh->local.nl_pid in nfnl_open
*
* 2006-01-26 Harald Welte <laforge@netfilter.org>:
*   remove bogus nfnlh->local.nl_pid from nfnl_open ;)
*   add 16bit attribute functions
```



```

*
* 2006-07-03 Pablo Neira Ayuso <pablo@netfilter.org>:
*   add iterator API
*   add replacements for nfnl_listen and nfnl_talk
*   fix error handling
*   add assertions
*   add documentation
*   minor cleanups
*/
/* iftable - table of network interfaces
*
* (C) 2004 by Astaro AG, written by Harald Welte <hwelte@astaro.com>
*
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*
*/

```

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 *
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 *
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## 1.30 javascript-ua 1.9

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```
/*
 * $Log: ua.js,v $
 * Revision 1.5.2.1 2012/08/07 04:08:40 emily
 * Update OLH to final version
 *
 * Revision 1.9 2002/07/22 14:06:21 bc6ix
 * fix license path, change version reporting to use 2 digits for each level
 *
 * Revision 1.8 2002/07/07 08:23:07 bc6ix
 * fix line endings
 *
 * Revision 1.7 2002/05/14 16:52:52 bc6ix
 * use CVS Log for revision history
 *
 *
```



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joost witteveen.



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## 1.34 linux-kernel 3.4.11

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/\* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)

\* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)

\*

\* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.

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\* 10/1/97 - commented out CFG\_PHYIE bit - we don't care when the PHY

\* interrupts us (except possibly for removal/insertion of the cable?)

\* 10/4/97 - began heavy inline documentation of the code. Corrected typos

\* and spelling mistakes.

\* 10/5/97 - added code to handle PHY interrupts, disable PHY on

\* loss of link, and correctly re-enable PHY when link is

\* re-established. (put back CFG\_PHYIE)

\*

\* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.

\*

\* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997

\*

\* Linux driver for the IDT77201 NICStAR PCI ATM controller.

\* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;

\* see init\_nicstar() for PHY initialization to change this. This driver

\* expects the Linux ATM stack to support scatter-gather lists

\* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.

\*

\* Implementing minimal-copy of received data:

\* IDT always receives data into a small buffer, then large buffers

\* as needed. This means that data must always be copied to create

\* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)

\* Fix is simple: make large buffers large enough to hold entire

\* SDU, and leave <small\_buffer\_data> bytes empty at the start. Then

\* copy small buffer contents to head of large buffer.

\* Trick is to avoid fragmenting Linux, due to need for a lot of large

\* buffers. This is done by 2 things:

\* 1) skb->destructor / skb->atm.recycle\_buffer

\* combined, allow nicstar\_free\_rx\_skb to be called to



```

*      recycle large data buffers
*      2) skb_clone of received buffers
*      See nicstar_free_rx_skb and linearize_buffer for implementation
*      details.
*
*
*
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*
* M. Welsh, 6 July 1996
*
*/

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for merging the nxt2002 and nxt2004 modules into a  
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That's all there is to it!

# install - install a program, script, or datafile

scriptversion=2004-02-15.20

# This originates from X11R5 (mit/util/scripts/install.sh), which was

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# Calling this script install-sh is preferred over install.sh, to prevent
# `make' implicit rules from creating a file called install from it
# when there is no Makefile.
#
# This script is compatible with the BSD install script, but was written
# from scratch. It can only install one file at a time, a restriction
# shared with many OS's install programs.

```

## 1.40 Izma 4.57

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LZMA SDK 4.57

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LZMA SDK provides the documentation, samples, header files, libraries, and tools you need to develop applications that use LZMA compression.

LZMA is default and general compression method of 7z format in 7-Zip compression program ([www.7-zip.org](http://www.7-zip.org)). LZMA provides high compression ratio and very fast decompression.

LZMA is an improved version of famous LZ77 compression algorithm. It was improved in way of maximum increasing of compression ratio, keeping high decompression speed and low memory requirements for decompressing.

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```
#include "config.h"
```

```
#if ! HAVE_VSNPRINTF /* only need this file if we don't have vsnprintf */
```

```
#define _GNU_SOURCE /* for strlen prototype */
```

```
#if HAVE_STDARG
```

```
#include <stdarg.h>
```

```
#else
```

```
#include <varargs.h>
```

```
#endif
```

```
#include <ctype.h> /* for isdigit */
```

```
#include <stddef.h> /* for ptrdiff_t */
```

```
#include <string.h>
```

```
#include <stdio.h> /* for NULL */
```

```
#include <stdlib.h>
```

```
#if HAVE_FLOAT_H
```



```

#include <float.h>    /* for DBL_MAX_10_EXP etc */
#endif

#if HAVE_INTTYPES_H
# include <inttypes.h> /* for intmax_t */
#else
# if HAVE_STDINT_H
# include <stdint.h>
# endif
#endif

#if HAVE_SYS_TYPES_H
#include <sys/types.h> /* for quad_t */
#endif

#include "gmp.h"
#include "gmp-impl.h"

/* Autoconf notes that AIX 4.3 has a broken strlen, but fortunately it
   doesn't affect us since __gmp_replacement_vsnprintf is not required on
   that system. */
#if ! HAVE_STRLEN
static size_t
strlen (const char *s, size_t n)
{
    size_t i;
    for (i = 0; i < n; i++)
        if (s[i] == '\0')
            break;
    return i;
}
#endif

/* The approach here is to parse the fmt string, and decide how much space
   it requires, then use vsprintf into a big enough buffer. The space
   calculated isn't an exact amount, but it's certainly no less than
   required.

   This code was inspired by GNU libiberty/vasprintf.c but we support more
   datatypes, when available.

   mingw32 - doesn't have vsnprintf, it seems. Because gcc is used a full
   set of types are available, but "long double" is just a plain IEEE
   64-bit "double" and LDBL_MAX_EXP_10 is correspondingly defined, so we
   avoid the big 15-bit exponent estimate. */

```



```

int
__gmp_replacement_vsnprintf (char *buf, size_t buf_size,
    const char *orig_fmt, va_list orig_ap)
{
    va_list ap;
    const char *fmt;
    size_t total_width, integer_sizeof, floating_sizeof, len;
    char fchar, type;
    int width, prec, seen_prec, double_digits, long_double_digits;
    int *value;

    /* preserve orig_ap for use after size estimation */
    va_copy (ap, orig_ap);

    fmt = orig_fmt;
    total_width = strlen (fmt) + 1; /* 1 extra for the '\0' */

    integer_sizeof = sizeof (long);
    #if HAVE_LONG_LONG
    integer_sizeof = MAX (integer_sizeof, sizeof (long long));
    #endif
    #if HAVE_QUAD_T
    integer_sizeof = MAX (integer_sizeof, sizeof (quad_t));
    #endif

    floating_sizeof = sizeof (double);
    #if HAVE_LONG_DOUBLE
    floating_sizeof = MAX (floating_sizeof, sizeof (long double));
    #endif

    /* IEEE double or VAX G floats have an 11 bit exponent, so the default is
       a maximum 308 decimal digits. VAX D floats have only an 8 bit
       exponent, but we don't bother trying to detect that directly. */
    double_digits = 308;
    #ifdef DBL_MAX_10_EXP
    /* but in any case prefer a value the compiler says */
    double_digits = DBL_MAX_10_EXP;
    #endif

    /* IEEE 128-bit quad, Intel 80-bit temporary, or VAX H floats all have 15
       bit exponents, so the default is a maximum 4932 decimal digits. */
    long_double_digits = 4932;
    /* but if double == long double, then go with that size */
    #if HAVE_LONG_DOUBLE
    if (sizeof (double) == sizeof (long double))
        long_double_digits = double_digits;
    #endif
    #ifdef LDBL_MAX_10_EXP

```



```

/* but in any case prefer a value the compiler says */
long_double_digits = LDBL_MAX_10_EXP;
#endif

for (;;)
{
    fmt = strchr (fmt, '%');
    if (fmt == NULL)
break;
    fmt++;

    type = '\0';
    width = 0;
    prec = 6;
    seen_prec = 0;
    value = &width;

    for (;;)
    {
        fchar = *fmt++;
        switch (fchar) {

        case 'c':
            /* char, already accounted for by strlen(fmt) */
            goto next;

        case 'd':
        case 'i':
        case 'o':
        case 'x':
        case 'X':
        case 'u':
            /* at most 3 digits per byte in hex, dec or octal, plus a sign */
            total_width += 3 * integer_sizeof + 1;

            switch (type) {
            case 'j':
                /* Let's assume uintmax_t is the same size as intmax_t. */
#if HAVE_INTMAX_T
                (void) va_arg (ap, intmax_t);
#else
                ASSERT_FAIL (intmax_t not available);
#endif
            case 'l':
                (void) va_arg (ap, long);
                break;
            case 'L':

```



```

#if HAVE_LONG_LONG
    (void) va_arg (ap, long long);
#else
    ASSERT_FAIL (long long not available);
#endif
    break;
    case 'q':
        /* quad_t is probably the same as long long, but let's treat
        it separately just to be sure. Also let's assume u_quad_t
        will be the same size as quad_t. */
#if HAVE_QUAD_T
        (void) va_arg (ap, quad_t);
#else
        ASSERT_FAIL (quad_t not available);
#endif
        break;
        case 't':
#if HAVE_PTRDIFF_T
        (void) va_arg (ap, ptrdiff_t);
#else
        ASSERT_FAIL (ptrdiff_t not available);
#endif
        break;
        case 'z':
        (void) va_arg (ap, size_t);
        break;
        default:
            /* default is an "int", and this includes h=short and hh=char
            since they're promoted to int in a function call */
            (void) va_arg (ap, int);
            break;
        }
        goto next;

    case 'E':
    case 'e':
    case 'G':
    case 'g':
        /* Requested decimals, sign, point and e, plus an overestimate
        of exponent digits (the assumption is all the float is
        exponent!). */
        total_width += prec + 3 + floating_sizeof * 3;
        if (type == 'L')
        {
#if HAVE_LONG_DOUBLE
            (void) va_arg (ap, long double);
#else
            ASSERT_FAIL (long double not available);

```



```

#endif
    }
    else
        (void) va_arg (ap, double);
    break;

case 'f':
    /* Requested decimals, sign and point, and a margin for error,
       then add the maximum digits that can be in the integer part,
       based on the maximum exponent value. */
    total_width += prec + 2 + 10;
    if (type == 'L')
    {
#if HAVE_LONG_DOUBLE
        (void) va_arg (ap, long double);
        total_width += long_double_digits;
#else
        ASSERT_FAIL (long double not available);
#endif
    }
    else
    {
        (void) va_arg (ap, double);
        total_width += double_digits;
    }
    break;

case 'h': /* short or char */
case 'j': /* intmax_t */
case 'L': /* long long or long double */
case 'q': /* quad_t */
case 't': /* ptrdiff_t */
set_type:
    type = fchar;
    break;

case 'l':
    /* long or long long */
    if (type != 'l')
        goto set_type;
    type = 'L'; /* "ll" means "L" */
    break;

case 'n':
    /* bytes written, no output as such */
    (void) va_arg (ap, void *);
    goto next;

```



```

case 's':
    /* If no precision was given, then determine the string length
       and put it there, to be added to the total under "next". If
       a precision was given then that's already the maximum from
       this field, but see whether the string is shorter than that,
       in case the limit was very big. */
    {
        const char *s = va_arg (ap, const char *);
        prec = (seen_prec ? strlen (s, prec) : strlen (s));
    }
    goto next;

```

```

case 'p':
    /* pointer, let's assume at worst it's octal with some padding */
    (void) va_arg (ap, const void *);
    total_width += 3 * sizeof (void *) + 16;
    goto next;

```

```

case '%':
    /* literal %, already accounted for by strlen(fmt) */
    goto next;

```

```

case '#':
    /* showbase, at most 2 for "0x" */
    total_width += 2;
    break;

```

```

case '+':
case ' ':
    /* sign, already accounted for under numerics */
    break;

```

```

case '-':
    /* left justify, no effect on total width */
    break;

```

```

case '.':
    seen_prec = 1;
    value = &prec;
    break;

```

```

case '*':
    {
        /* negative width means left justify which can be ignored,
           negative prec would be invalid, just use absolute value */
        int n = va_arg (ap, int);
        *value = ABS (n);
    }

```



```

break;

case '0': case '1': case '2': case '3': case '4':
case '5': case '6': case '7': case '8': case '9':
/* process all digits to form a value */
{
    int n = 0;
    do {
n = n * 10 + (fchar-'0');
fchar = *fmt++;
    } while (isascii (fchar) && isdigit (fchar));
    fmt--; /* unget the non-digit */
    *value = n;
    }
break;

default:
/* incomplete or invalid % sequence */
ASSERT (0);
goto next;
}
}

next:
total_width += width;
total_width += prec;
}

if (total_width <= buf_size)
{
    vsprintf (buf, orig_fmt, orig_ap);
    len = strlen (buf);
}
else
{
    char *s;

    s = __GMP_ALLOCATE_FUNC_TYPE (total_width, char);
    vsprintf (s, orig_fmt, orig_ap);
    len = strlen (s);
    if (buf_size != 0)
    {
        size_t copylen = MIN (len, buf_size-1);
        memcpy (buf, s, copylen);
        buf[copylen] = '\0';
    }
    (*__gmp_free_func) (s, total_width);
}

```



```
/* If total_width was somehow wrong then chances are we've already
   clobbered memory, but maybe this check will still work. */
ASSERT_ALWAYS (len < total_width);
```

```
return len;
}
```

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```



```

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*
* :>
*
*****/

```

## 1.44 zebra-0.93 0.93

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## 1.49 tcp-dump 4.1.1

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# 1.50 libtool 2.2.10

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\*

\* curve25519-donna: Curve25519 elliptic curve, public key function

\*

\* <http://code.google.com/p/curve25519-donna/>

\*

\* Adam Langley <agl@imperialviolet.org>

\*

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\*

\* More information about curve25519 can be found here

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\*

\* djb's sample implementation of curve25519 is written in a special assembly

\* language called qhasm and uses the floating point registers.

\*

\* This is, almost, a clean room reimplementaion from the curve25519 paper. It

\* uses many of the tricks described therein. Only the crecip function is taken



\* from the sample implementation.

\*/

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 *
 * 2006-01-23 Andreas Florath <andreas@florath.net>
 * Fix __set_verdict() that it can now handle payload.
 */
```

## 1.58 mksquashfs 4.2

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## 1.62 openssl 1.0.1j

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## 1.70 bget 10-1995

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B G E T

Buffer allocator

Designed and implemented in April of 1972 by John Walker, based on the Case Algol OPRO\$ algorithm implemented in 1966.

Reimplemented in 1975 by John Walker for the Interdata 70.

Reimplemented in 1977 by John Walker for the Marinchip 9900.

Reimplemented in 1982 by Duff Kurland for the Intel 8080.

Portable C version implemented in September of 1990 by an older, wiser instance of the original implementor.

Souped up and/or weighed down slightly shortly thereafter by Greg Lutz.

AMIX edition, including the new compaction call-back option, prepared by John Walker in July of 1992.

Bug in built-in test program fixed, ANSI compiler warnings eradicated,



buffer pool validator implemented, and guaranteed repeatable test added by John Walker in October of 1995.

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# 1.71 ebttables 2.0.10

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