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ОТЧЕТ О ЛАБОРАТОРНОЙ РАБОТЕ

Лабораторная работа №5. Взаимодействие процессов в ОС GNU/Linux
Тема

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1 Цель работы

Цель состоит в особенностей межпроцессного взаимодействия в ОС GNU/Linux.

2 Задачи

Выполнение работы сводится к следующим задачам.

1. Ознакомление с теоретическим материалом по управлению областями виртуальной памяти в ОС GNU/Linux.

2. Разработка серверной и клиентской частей приложения в соответствии с полученным заданием, должен использоваться механизм Internet-сокетов и сетевых протоколов.

3. Написание настоящего отчета защита его с исходными текстами и исполняемым модулем программы. Исходные тексты программ должны содержать комментарии в стиле системы doxygen, настоящий отчет должен включать содержимое скрипта configure.

Требуется разработать две программы: первая реализует серверную часть, вторая – клиентскую часть. Обмен данными между ними организуется посредством механизма Internet-сокетов и протокола TCP либо UDP. Результат выполнения выводится на терминал/консоль. Должен использоваться интерфейс командной строки (CLI). При реализации обязательно использование изученных в лекционном курсе системных вызовов (ОС Linux), предназначенных для работы с сокетами. Программный код, относящийся к пользовательскому интерфейсу, должен быть физически отделен от кода, реализующего межпроцессное взаимодействие, и оба они, в свою очередь, отделены от кода реализации основной логики, например, вычислений.

Вариант 14. Клиент принимает от пользователя беззнаковое целое число N – основание системы счисления (диапазон $(1..20]$) и последовательность цифр в соответствии с заданной системой счисления, отправляет серверу. Сервер принимает основание системы счисления и число в этой системе, выводит число на экран, переводит его в десятичную систему, выводит на экран, осуществляет

его реверс (меняет порядок следования знаков на обратный), выводит на экран значение измененной последовательности, переводит ее в десятичную систему и выводит его на экран.

3 Исходные тексты программы

3.1 int open (const char * file, int oflag, ...);

Далее приведено содержимое файлов с исходным ходом программы.

Листинг 1 – Код в файле task14.h

```
/*! \file    task14.h
 * \brief    Header file of functions with numeral systems
 *           essential for task 14
 */

#include <stdbool.h>
#include "input.h"
#include <inttypes.h>

#ifndef LAB1_TASK14_H
#define LAB1_TASK14_H

/*! \struct taskData
 * \brief Struct for PerformTask() function
 *
 * \details Keeps data that is used as PerformTask() argument
 */
typedef struct
{
    /*!
     * Number in required numeric system
     */
    char number[INPUT_SIZE];
    /*!
     * Radix of numeric system
     */
    int8_t radix;
} taskData;

/*! \brief Performs task14 with required output
 *
 * \param data argument for task 14
 */
void PerformTask(taskData* data);

/*! \brief Converts number in any (2-20) numeral system to decimal
 *
 * \param number number to convert.
 * \param radix radix of numeral system.
 * \return Integer conversion result.
 */
int AnyNumeralSystemToDecimal(char* number, int radix);

/*! \brief Checks if number only contains digits, allowed for this numeral
 * system
 *
 * \param numberToCheck number to check.
 * \param radix radix of numeral system.
 * \return true if number only contains digits, allowed for this numeral
```

Окончание листинга 1

```
* system, false - otherwise.
*/
bool CheckRadixMatch(char* numberToCheck, int radix);

/*! \brief Checks if number is not too big to be written to int after
 * conversion
 *
 * \param numberToCheck number to check.
 * \param radix radix of numeral system.
 * \return true if number is not too big to be written to int after
 * conversion, false - otherwise
 */
bool CheckIntOverflow(char* numberToCheck, int radix);

/*! \brief Checks if number can be numeral system radix for task 14
 *
 * \param intToCheck number to check.
 * \return true if number can be numeral system radix for task 14
 * false - otherwise
 */
bool RadixInputCheck(int intToCheck);

#endif //LAB1_TASK14_H
```

Листинг 2 – Код в файле task14.c

```
/*! \file input.c
 * \brief Implements functions of task14.h
 */

#include "task14.h"
#include <math.h>
#include <string.h>
#include <stdbool.h>
#include <stdio.h>

/*! \enum
 * \brief Essential constants for task 14
 */
enum NumeralSystemsConstants
{
    VIGESIMAL_A = 'A', /** Digit next to 9 */
    MIN_RADIX = 2, /** Minimal numeral system radix */
    MAX_RADIX = 20 /** Maximal numeral system radix for task */
};

void PerformTask(taskData* data)
{
    char reversedNumber[INPUT_SIZE];
    char* number = data->number;
    int8_t radix = data->radix;

    for (int i = (int) strlen(number) - 1; i >= 0; i--)
    {
        reversedNumber[strlen(number) - (i + 1)] = number[i];
    }
}
```

Продолжение листинга 2

```
    reversedNumber[strlen(number)] = '\\0';

    while (reversedNumber[strlen(reversedNumber) - 1] == '0')
    {
        reversedNumber[strlen(reversedNumber) - 1] = '\\0';
    }

    printf("Original: %s\\n", number);
    printf("To decimal: %d\\n",
        AnyNumeralSystemToDecimal(number, radix));
    printf("Reversed: %s\\n", reversedNumber);
    if (CheckIntOverflow(reversedNumber, radix))
    {
        printf("Reversed to decimal: %d\\n",
            AnyNumeralSystemToDecimal(reversedNumber, radix));
    }
    else
    {
        printf("Reversed number is too big");
    }
}

int AnyNumeralSystemToDecimal(char* number, int radix)
{
    int result = 0;
    int multiplier = 1;
    int currentDigit;
    for (int i = (int) strlen(number) - 1; i >= 0; i--)
    {
        if (number[i] >= VIGESIMAL_A)
        {
            currentDigit = 10 + number[i] - VIGESIMAL_A;
        }
        else
        {
            currentDigit = number[i] - '0';
        }
        result += currentDigit * multiplier;
        multiplier *= radix;
    }
    return result;
}

bool CheckRadixMatch(char* numberToCheck, int radix)
{
    int currentDigit;
    for (int i = 0; i < strlen(numberToCheck); i++)
    {
        if (numberToCheck[i] >= VIGESIMAL_A)
        {
            currentDigit = 10 + numberToCheck[i] - VIGESIMAL_A;
        }
        else
        {
            currentDigit = numberToCheck[i] - '0';
        }
        if (currentDigit >= radix || currentDigit < 0)
        {

```

Окончание листинга 2

```
        return false;
    }
}
return true;
}

bool CheckIntOverflow(char* numberToCheck, int radix)
{
    return (double) strlen(numberToCheck) <
        (log((double) __INT_MAX__) / log((double) radix) - 1);
}

bool RadixInputCheck(int intToCheck)
{
    if (intToCheck < MIN_RADIX || intToCheck > MAX_RADIX)
    {
        return false;
    }
    return true;
}
```

Листинг 3 – Код в файле server.c

```
/*! \file    server.c
 * \brief    Code of server executable and server's task
 */

#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#include <sys/socket.h>
#include <netinet/in.h>
#include <unistd.h>
#include <signal.h>
#include "task14.h"

/*! \brief Catches ctrl+C signal, closes socket and terminates server
 *
 * \param signum caught signal
 * \param socketToClose descriptor of socket to close before terminating
 */
void serverKiller(int signum, int socketToClose) {
    printf("Caught signal %d\n", signum);
    if(signum == SIGINT)
    {
        printf("Terminating server\n");
        close(socketToClose);
        exit(signum);
    }
}

/*! \brief Reads data from socket and calls PerformTask()
 *
 * \param serverSocket descriptor of socket to listen
 */
int serverTask(int serverSocket)
```

Продолжение листинга 3

```
{
    struct sockaddr_in clientName;
    socklen_t clientNameLength = sizeof(clientName);
    taskData* data;
    data = (taskData*) malloc(sizeof(taskData));
    int recvResult = (int) recvfrom(serverSocket, data, sizeof(taskData),
                                   0,
                                   (struct sockaddr*) &clientName,
                                   &clientNameLength);

    if (-1 == recvResult)
    {
        perror("recvfrom");
    }
    if (recvResult > 0)
    {
        PerformTask(data);
    }
    free(data);
    return 0;
}

/*! \brief main function of server
*/
int main(int argc, char* const argv[])
{
    if (argc < 2)
    {
        fprintf(stderr, "Too few parameters.\n");
        return EXIT_FAILURE;
    }
    int socketFileDescriptor = -1;
    int portNumber = atoi(argv[1]);
    struct sockaddr_in name;
    socketFileDescriptor = socket(AF_INET, SOCK_DGRAM, IPPROTO_UDP);
    int i = 1;
    setsockopt(socketFileDescriptor, SOL_SOCKET, SO_REUSEADDR,
               (const char*) &i, sizeof(i)
    );
    bzero((char*) &name, sizeof(name));
    name.sin_family = AF_INET;
    name.sin_port = htons((u_short) portNumber);
    name.sin_addr.s_addr = INADDR_ANY;
    if (-1 == bind(socketFileDescriptor, (const struct sockaddr*) &name,
                   sizeof(name)))
    {
        perror("bind ");
        close(socketFileDescriptor);
        exit(1);
    }
    signal(SIGINT, (void*) serverKiller);
    do
    {
        serverTask(socketFileDescriptor);
    } while (true);
}
```


Листинг 4 – Код в файле client.c

```
/*! \file    client.c
 * \brief    Code of client executable
 */

#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#include <sys/socket.h>
#include <netinet/in.h>
#include <unistd.h>
#include "task14.h"

/*! \brief Catches ctrl+C signal, closes socket and terminates server
 * \details Parses CL arguments, checks them and sends to the server
 */
int main(int argc, const char* argv[])
{
    if (argc != 5)
    {
        fprintf(stderr, "Expected arguments:\nServer address\nPort"
            "number\nRadix (2-20)\nNumber (use \'A\' - \'J\' as"
            "digits for >10-based systems\n");
        return EXIT_FAILURE;
    }
    taskData* data;
    data = (taskData*) malloc(sizeof(taskData));

    char* strtolEndptr;
    data->radix = (int8_t) strtol(argv[3], &strtolEndptr, 10);
    if (*strtolEndptr != argv[3][strlen(argv[3])])
    {
        printf("Wrong radix format!\n");
        return 0;
    }
    if (!RadixInputCheck(data->radix))
    {
        printf("Wrong radix format!\n");
        return 0;
    }
    strcpy(data->number, argv[4]);
    if (!(CheckIntOverflow(data->number, data->radix) &&
        CheckRadixMatch(data->number, data->radix)))
    {
        printf("Wrong number format!\n");
        return 0;
    }

    int socketFileDescriptor;
    int portNumber = atoi(argv[2]);
    struct sockaddr_in name;
    memset((char*) &name, 0, sizeof(name));
    name.sin_family = AF_INET;
    name.sin_addr.s_addr = inet_addr(argv[1]);
    if (INADDR_NONE == name.sin_addr.s_addr)
    {
        perror("inet_addr");
    }
}
```

Окончание листинга 4

```
        exit(1);
    }
    name.sin_port = htons((u_short) portNumber);
    socketFileDescriptor = socket(AF_INET, SOCK_DGRAM, IPPROTO_UDP);
    if (socketFileDescriptor < 0)
    {
        perror("socket");
        exit(1);
    }

    int resSend;
    resSend = (int) sendto(socketFileDescriptor, data, sizeof(taskData), 0,
                          (struct sockaddr*) &name, sizeof(name));

    if (0 > resSend)
    {
        perror("sendto");
        exit(1);
    }
    close(socketFileDescriptor);
    free(data);
    return 0;
}
```

Листинг 5 – код в файле input.h

```
/*! \file    input.h
 * \brief    Header containing essential input constants
 */

#include <stdbool.h>

#ifndef LAB1_INPUT_H
#define LAB1_INPUT_H

/*! \enum
 * \brief    Size of string for input
 */
enum Sizes
{
    INPUT_SIZE = 200
};

#endif //LAB1_INPUT_H
```

4 Содержимое скрипта configure

На следующем листинге приведено содержимое скрипта configure.

Листинг 6 – Код в файле configure

```
#!/bin/sh
# Guess values for system-dependent variables and create Makefiles.
# Generated by GNU Autoconf 2.69 for FULL-PACKAGE-NAME VERSION.
#
# Report bugs to <BUG-REPORT-ADDRESS>.
#
#
# Copyright (C) 1992-1996, 1998-2012 Free Software Foundation, Inc.
#
#
# This configure script is free software; the Free Software Foundation
# gives unlimited permission to copy, distribute and modify it.
## ----- ##
## M4sh Initialization. ##
## ----- ##

# Be more Bourne compatible
DUALCASE=1; export DUALCASE # for MKS sh
if test -n "${ZSH_VERSION+set}" && (emulate sh) >/dev/null 2>&1; then :
  emulate sh
  NULLCMD=:
  # Pre-4.2 versions of Zsh do word splitting on ${1+"$@"}, which
  # is contrary to our usage.  Disable this feature.
  alias -g '${1+"$@"}'='"$@"'
  setopt NO_GLOB_SUBST
else
  case `(set -o) 2>/dev/null` in #(
    *posix*) :
      set -o posix ;; #(
    *) :
      ;;
  esac
fi

as_nl='
'
export as_nl
```

[illegible]

Продолжение листинга 6

```
        PATH_SEPARATOR=';'
    }
fi

# IFS
# We need space, tab and new line, in precisely that order. Quoting is
# there to prevent editors from complaining about space-tab.
# (If _AS_PATH_WALK were called with IFS unset, it would disable word
# splitting by setting IFS to empty value.)
IFS=" "      $as_nl

# Find who we are. Look in the path if we contain no directory separator.
as_myself=
case $0 in #((
    *[\ \/]* ) as_myself=$0 ;;
    *) as_save_IFS=$IFS; IFS=$PATH_SEPARATOR
for as_dir in $PATH
do
    IFS=$as_save_IFS
    test -z "$as_dir" && as_dir=.
    test -r "$as_dir/$0" && as_myself=$as_dir/$0 && break
done
IFS=$as_save_IFS

;;
esac

# We did not find ourselves, most probably we were run as `sh COMMAND'
# in which case we are not to be found in the path.
if test "x$as_myself" = x; then
    as_myself=$0
fi
if test ! -f "$as_myself"; then
    $as_echo "$as_myself: error: cannot find myself; rerun with an absolute file
name" >&2
    exit 1
fi

# Unset variables that we do not need and which cause bugs (e.g. in
# pre-3.0 UWIN ksh). But do not cause bugs in bash 2.01; the "|| exit 1"
# suppresses any "Segmentation fault" message there. '((' could
```

Продолжение листинга 6

```
# trigger a bug in pdksh 5.2.14.
for as_var in BASH_ENV ENV MAIL MAILPATH
do eval test x\${$as_var+set} = xset \
    && ( (unset $as_var) || exit 1) >/dev/null 2>&1 && unset $as_var || :
done

PS1='$ '
PS2='> '
PS4='+ '

# NLS nuisances.
LC_ALL=C
export LC_ALL
LANGUAGE=C
export LANGUAGE

# CDPATH.
(unset CDPATH) >/dev/null 2>&1 && unset CDPATH

# Use a proper internal environment variable to ensure we don't fall
# into an infinite loop, continuously re-executing ourselves.
if test x"${_as_can_reexec}" != xno && test "x$CONFIG_SHELL" != x; then
    _as_can_reexec=no; export _as_can_reexec;
    # We cannot yet assume a decent shell, so we have to provide a
    # neutralization value for shells without unset; and this also
    # works around shells that cannot unset nonexistent variables.
    # Preserve -v and -x to the replacement shell.
    BASH_ENV=/dev/null
    ENV=/dev/null
    (unset BASH_ENV) >/dev/null 2>&1 && unset BASH_ENV ENV
    case $- in # (((
        *v*x* | *x*v* ) as_opts=-vx ;;
        *v* ) as_opts=-v ;;
        *x* ) as_opts=-x ;;
        * ) as_opts= ;;
    esac
    exec $CONFIG_SHELL $as_opts "$as_myself" ${1+"$@"}
    # Admittedly, this is quite paranoid, since all the known shells bail
    # out after a failed `exec'.
    $as_echo "$0: could not re-execute with $CONFIG_SHELL" >&2
    as_fn_exit 255
fi
```

Продолжение листинга 6

```
# We don't want this to propagate to other subprocesses.
    { _as_can_reexec=; unset _as_can_reexec;}
if test "$CONFIG_SHELL" = x; then
    as_bourne_compatible="if test -n \"\${ZSH_VERSION+set}\" && (emulate sh)
>/dev/null 2>&1; then :
    emulate sh
    NULLCMD=:
    # Pre-4.2 versions of Zsh do word splitting on \"\${1+\"$@\"}\", which
    # is contrary to our usage. Disable this feature.
    alias -g \"\${1+\"$@\"}\"='\"$@\"'
    setopt NO_GLOB_SUBST
else
    case \"(set -o) 2>/dev/null\" in #(
    *posix*) :
        set -o posix ;; #(
    *) :
        ;;
    esac
fi
"

    as_required="as_fn_return () { (exit \"$1"); }
as_fn_success () { as_fn_return 0; }
as_fn_failure () { as_fn_return 1; }
as_fn_ret_success () { return 0; }
as_fn_ret_failure () { return 1; }

exitcode=0
as_fn_success || { exitcode=1; echo as_fn_success failed.; }
as_fn_failure && { exitcode=1; echo as_fn_failure succeeded.; }
as_fn_ret_success || { exitcode=1; echo as_fn_ret_success failed.; }
as_fn_ret_failure && { exitcode=1; echo as_fn_ret_failure succeeded.; }
if ( set x; as_fn_ret_success y && test x = \"$1\" ); then :

else
    exitcode=1; echo positional parameters were not saved.
fi
test x$exitcode = x0 || exit 1
test -x / || exit 1"
    as_suggested="
as_lineno_1=";as_suggested=$as_suggested$LINENO;as_suggested=$as_suggested"
as_lineno_1a=$LINENO
```

Продолжение листинга 6

```
as_lineno_2="";as_suggested=$as_suggested$LINENO;as_suggested=$as_suggested"
as_lineno_2a=\$LINENO
eval 'test \"x\$as_lineno_1'\$as_run'\\" != \"x\$as_lineno_2'\$as_run'\\" &&
test \"x\`expr \$as_lineno_1'\$as_run' + 1\`\" = \"x\$as_lineno_2'\$as_run'\\"'
|| exit 1
test \"\$(( 1 + 1 )) = 2 || exit 1"
if (eval "$as_required") 2>/dev/null; then :
as_have_required=yes
else
as_have_required=no
fi
if test x$as_have_required = xyes && (eval "$as_suggested") 2>/dev/null; then :

else
as_save_IFS=$IFS; IFS=$PATH_SEPARATOR
as_found=false
for as_dir in /bin$PATH_SEPARATOR/usr/bin$PATH_SEPARATOR$PATH
do
IFS=$as_save_IFS
test -z "$as_dir" && as_dir=.
as_found=:
case $as_dir in #(
/*)
for as_base in sh bash ksh sh5; do
# Try only shells that exist, to save several forks.
as_shell=$as_dir/$as_base
if { test -f "$as_shell" || test -f "$as_shell.exe"; } &&
{ $as_echo "$as_bourne_compatible""$as_required" | as_run=a
"$as_shell"; } 2>/dev/null; then :
CONFIG_SHELL=$as_shell as_have_required=yes
if { $as_echo "$as_bourne_compatible""$as_suggested" | as_run=a
"$as_shell"; } 2>/dev/null; then :
break 2
fi
done;;
esac
as_found=false
done
$as_found || { if { test -f "$SHELL" || test -f "$SHELL.exe"; } &&
```


Продолжение листинга 6

```
        { $as_echo "$as_bourne_compatible""$as_required" | as_run=a "$SHELL";
    } 2>/dev/null; then :
        CONFIG_SHELL=$SHELL as_have_required=yes
    fi; }
IFS=$as_save_IFS

    if test "x$CONFIG_SHELL" != x; then :
        export CONFIG_SHELL
            # We cannot yet assume a decent shell, so we have to provide a
# neutralization value for shells without unset; and this also
# works around shells that cannot unset nonexistent variables.
# Preserve -v and -x to the replacement shell.
BASH_ENV=/dev/null
ENV=/dev/null
(unset BASH_ENV) >/dev/null 2>&1 && unset BASH_ENV ENV
case $- in # (((
    *v*x* | *x*v* ) as_opts=-vx ;;
    *v* ) as_opts=-v ;;
    *x* ) as_opts=-x ;;
    * ) as_opts= ;;
esac
exec $CONFIG_SHELL $as_opts "$as_myself" ${1+"$@"}
# Admittedly, this is quite paranoid, since all the known shells bail
# out after a failed `exec'.
$as_echo "$0: could not re-execute with $CONFIG_SHELL" >&2
exit 255
fi

    if test x$as_have_required = xno; then :
$as_echo "$0: This script requires a shell more modern than all"
$as_echo "$0: the shells that I found on your system."
    if test x${ZSH_VERSION+set} = xset ; then
        $as_echo "$0: In particular, zsh $ZSH_VERSION has bugs and should"
        $as_echo "$0: be upgraded to zsh 4.3.4 or later."
    else
        $as_echo "$0: Please tell bug-autoconf@gnu.org and BUG-REPORT-ADDRESS
$0: about your system, including any error possibly output
$0: before this message. Then install a modern shell, or
$0: manually run the script under such a shell if you do
$0: have one."
```

Продолжение листинга 6

```
    fi
    exit 1
fi
fi
fi
SHELL=${CONFIG_SHELL-/bin/sh}
export SHELL
# Unset more variables known to interfere with behavior of common tools.
CLICOLOR_FORCE= GREP_OPTIONS=
unset CLICOLOR_FORCE GREP_OPTIONS

## ----- ##
## M4sh Shell Functions. ##
## ----- ##
# as_fn_unset VAR
# -----
# Portably unset VAR.
as_fn_unset ()
{
    { eval $1=; unset $1;}
}
as_unset=as_fn_unset

# as_fn_set_status STATUS
# -----
# Set $? to STATUS, without forking.
as_fn_set_status ()
{
    return $1
} # as_fn_set_status

# as_fn_exit STATUS
# -----
# Exit the shell with STATUS, even in a "trap 0" or "set -e" context.
as_fn_exit ()
{
    set +e
    as_fn_set_status $1
    exit $1
} # as_fn_exit
```

Продолжение листинга 6

```
# as_fn_mkdir_p
# -----
# Create "$as_dir" as a directory, including parents if necessary.
as_fn_mkdir_p ()
{

    case $as_dir in #(
    -*) as_dir=./$as_dir;;
    esac
    test -d "$as_dir" || eval $as_mkdir_p || {
        as_dirs=
        while :; do
            case $as_dir in #(
            *\') as_qdir=`$as_echo "$as_dir" | sed "s/'/'\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\'/g"`;; #'(
            *) as_qdir=$as_dir;;
            esac
            as_dirs="'$as_qdir' $as_dirs"
            as_dir=`$as_dirname -- "$as_dir" ||
$as_expr X"$as_dir" : 'X\([^/]\)\/*\([^/]\/*/*$' \|| \
X"$as_dir" : 'X\(/\)\[^/]' \|| \
X"$as_dir" : 'X\(/\)\$' \|| \
X"$as_dir" : 'X\(/\)' \|| . 2>/dev/null ||
$as_echo X"$as_dir" |
sed '/^X\([^/]\)\/*\([^/]\/*/*$/{
    s//\1/
    q
}
/^X\(\///\)\[^/]\.*/{
    s//\1/
    q
}
/^X\(\///\)\$/{
    s//\1/
    q
}
/^X\(\///\)\.*/{
    s//\1/
    q
}
s/.*\/./; q'`
        test -d "$as_dir" && break
    }
```

Продолжение листинга 6

```
done
test -z "$as_dirs" || eval "mkdir $as_dirs"
} || test -d "$as_dir" || as_fn_error $? "cannot create directory $as_dir"

} # as_fn_mkdir_p

# as_fn_executable_p FILE
# -----
# Test if FILE is an executable regular file.
as_fn_executable_p ()
{
    test -f "$1" && test -x "$1"
} # as_fn_executable_p
# as_fn_append VAR VALUE
# -----
# Append the text in VALUE to the end of the definition contained in VAR. Take
# advantage of any shell optimizations that allow amortized linear growth over
# repeated appends, instead of the typical quadratic growth present in naive
# implementations.
if (eval "as_var=1; as_var+=2; test x\$as_var = x12") 2>/dev/null; then :
    eval 'as_fn_append ()
    {
        eval $1+=\$2
    }'
else
    as_fn_append ()
    {
        eval $1=\${$1}\$2
    }
fi # as_fn_append

# as_fn_arith ARG...
# -----
# Perform arithmetic evaluation on the ARGs, and store the result in the
# global $as_val. Take advantage of shells that can avoid forks. The arguments
# must be portable across $(( )) and expr.
if (eval "test \$(( 1 + 1 )) = 2") 2>/dev/null; then :
    eval 'as_fn_arith ()
    {
        as_val=$(( $* ))
```

Продолжение листинга 6

```
}'  
else  
    as_fn_arith ()  
    {  
        as_val=`expr "$@" || test $? -eq 1`  
    }  
fi # as_fn_arith  
  
# as_fn_error STATUS ERROR [LINENO LOG_FD]  
# -----  
# Output "`basename $0`: error: ERROR" to stderr. If LINENO and LOG_FD are  
# provided, also output the error to LOG_FD, referencing LINENO. Then exit the  
# script with STATUS, using 1 if that was 0.  
as_fn_error ()  
{  
    as_status=$1; test $as_status -eq 0 && as_status=1  
    if test "$4"; then  
        as_lineno=${as_lineno-"$3"} as_lineno_stack=as_lineno_stack=$as_lineno_stack  
        $as_echo "$as_me:${as_lineno-$LINENO}: error: $2" >&$4  
    fi  
    $as_echo "$as_me: error: $2" >&2  
    as_fn_exit $as_status  
} # as_fn_error  
  
if expr a : '\(a\)' >/dev/null 2>&1 &&  
    test "X`expr 00001 : '.*\(...\)`" = X001; then  
    as_expr=expr  
else  
    as_expr=false  
fi  
  
if (basename -- /) >/dev/null 2>&1 && test "X`basename -- / 2>&1`" = "X/"; then  
    as_basename=basename  
else  
    as_basename=false  
fi  
  
if (as_dir=`dirname -- /` && test "X$as_dir" = X/) >/dev/null 2>&1; then  
    as_dirname=dirname  
else
```

Продолжение листинга 6

```
as_dirname=false
fi

as_me=`$as_basename -- "$0" ||
$as_expr X/"$0" : '.*\/\([^\/]*\)/*$' \|| \
X"$0" : 'X\(/\)\$' \|| \
X"$0" : 'X\(/\) ' \|| . 2>/dev/null ||
$as_echo X/"$0" |
sed '/^.*\/\([^\/]*\)\/*$/ {
    s//\1/
    q
}
/^X\/\(\\/\)\$/ {
    s//\1/
    q
}
/^X\/\(\\/\).*$/ {
    s//\1/
    q
}
s/.*\/./; q'`

# Avoid depending upon Character Ranges.
as_cr_letters='abcdefghijklmnopqrstuvwxyz'
as_cr_LETTERS='ABCDEFGHIJKLMNOPQRSTUVWXYZ'
as_cr_Letters=$as_cr_letters$as_cr_LETTERS
as_cr_digits='0123456789'
as_cr_alnum=$as_cr_Letters$as_cr_digits


as_lineno_1=$LINENO as_lineno_1a=$LINENO
as_lineno_2=$LINENO as_lineno_2a=$LINENO
eval 'test "x$as_lineno_1'$as_run'" != "x$as_lineno_2'$as_run'" &&
test "x`expr $as_lineno_1'$as_run' + 1`" = "x$as_lineno_2'$as_run'" || {
# Blame Lee E. McMahon (1931-1989) for sed's syntax. :-)
sed -n '
    p
    /[$]LINENO/=
' <$as_myself |
sed '
    s/[$]LINENO.*&-/
```

Продолжение листинга 6

```
t lineno
b
:lineno
N
:loop
s/[$]LINENO\([^'$as_cr_alnum'_].*\n\)\(.*\)/\2\1\2/
t loop
s/-\n.*//
' >$as_me.lineno &&
chmod +x "$as_me.lineno" ||
{ $as_echo "$as_me: error: cannot create $as_me.lineno; rerun with a POSIX
shell" >&2; as_fn_exit 1; }

# If we had to re-execute with $CONFIG_SHELL, we're ensured to have
# already done that, so ensure we don't try to do so again and fall
# in an infinite loop. This has already happened in practice.
_as_can_reexec=no; export _as_can_reexec
# Don't try to exec as it changes ${0}, causing all sort of problems
# (the dirname of ${0} is not the place where we might find the
# original and so on. Autoconf is especially sensitive to this).
. "$as_me.lineno"
# Exit status is that of the last command.
exit
}

ECHO_C= ECHO_N= ECHO_T=
case `echo -n x` in #((((
-n*)
case `echo 'xy\c'` in
*c*) ECHO_T=' ';; # ECHO_T is single tab character.
xy) ECHO_C='\c';;
*) echo `echo ksh88 bug on AIX 6.1` > /dev/null
ECHO_T=' ';;
esac;;
*)
ECHO_N='-n';;
esac

rm -f conf$$ conf$$exe conf$$file
if test -d conf$$dir; then
rm -f conf$$dir/conf$$file
```

Продолжение листинга 6

```
else
    rm -f conf$$$.dir
    mkdir conf$$$.dir 2>/dev/null
fi
if (echo >conf$$$$.file) 2>/dev/null; then
    if ln -s conf$$$$.file conf$$$ 2>/dev/null; then
        as_ln_s='ln -s'
        # ... but there are two gotchas:
        # 1) On MSYS, both `ln -s file dir' and `ln file dir' fail.
        # 2) DJGPP < 2.04 has no symlinks; `ln -s' creates a wrapper executable.
        # In both cases, we have to default to `cp -pR'.
        ln -s conf$$$$.file conf$$$$.dir 2>/dev/null && test ! -f conf$$$$.exe ||
            as_ln_s='cp -pR'
    elif ln conf$$$$.file conf$$$ 2>/dev/null; then
        as_ln_s=ln
    else
        as_ln_s='cp -pR'
    fi
else
    as_ln_s='cp -pR'
fi
rm -f conf$$$ conf$$$$.exe conf$$$$.dir/conf$$$$.file conf$$$$.file
rmdir conf$$$$.dir 2>/dev/null

if mkdir -p . 2>/dev/null; then
    as_mkdir_p='mkdir -p "$as_dir"'
else
    test -d ./-p && rmdir ./-p
    as_mkdir_p=false
fi

as_test_x='test -x'
as_executable_p=as_fn_executable_p

# Sed expression to map a string onto a valid CPP name.
as_tr_cpp="eval sed 'y%*$as_cr_letters%P$as_cr_LETTERS%;s%[^_$as_cr_alnum]%%_g'"

# Sed expression to map a string onto a valid variable name.
as_tr_sh="eval sed 'y%*+%pp%;s%[^_$as_cr_alnum]%%_g'"
```


Продолжение листинга 6

```
test -n "$DJDIR" || exec 7<&0 </dev/null
exec 6>&1

# Name of the host.
# hostname on some systems (SVR3.2, old GNU/Linux) returns a bogus exit status,
# so uname gets run too.
ac_hostname=`(hostname || uname -n) 2>/dev/null | sed 1q`

#
# Initializations.
#
ac_default_prefix=/usr/local
ac_clean_files=
ac_config_libobj_dir=.
LIBOBJS=
cross_compiling=no
subdirs=
MFLAGS=
MAKEFLAGS=

# Identity of this package.
PACKAGE_NAME='FULL-PACKAGE-NAME'
PACKAGE_TARNAME='full-package-name'
PACKAGE_VERSION='VERSION'
PACKAGE_STRING='FULL-PACKAGE-NAME VERSION'
PACKAGE_BUGREPORT='BUG-REPORT-ADDRESS'
PACKAGE_URL=''

ac_unique_file="task14.c"
# Factoring default headers for most tests.
ac_includes_default="\
#include <stdio.h>
#ifdef HAVE_SYS_TYPES_H
# include <sys/types.h>
#endif
#ifdef HAVE_SYS_STAT_H
# include <sys/stat.h>
#endif
#ifdef STDC_HEADERS
# include <stdlib.h>
# include <stddef.h>
```

Продолжение листинга 6

```
#else
# ifdef HAVE_STDLIB_H
#  include <stdlib.h>
# endif
#endif

#ifdef HAVE_STRING_H
# if !defined STDC_HEADERS && defined HAVE_MEMORY_H
#  include <memory.h>
# endif
# include <string.h>
#endif

#ifdef HAVE_STRINGS_H
# include <strings.h>
#endif

#ifdef HAVE_INTTYPES_H
# include <inttypes.h>
#endif

#ifdef HAVE_STDINT_H
# include <stdint.h>
#endif

#ifdef HAVE_UNISTD_H
# include <unistd.h>
#endif"

ac_subst_vars='LTLIBOBJS
LIBOBJS
EGREP
GREP
CPP
OBJEXT
EXEEXT
ac_ct_CC
CPPFLAGS
LDFLAGS
CFLAGS
CC
target_alias
host_alias
build_alias
LIBS
ECHO_T
```

Продолжение листинга 6

```
ECHO_N
ECHO_C
DEFS
mandir
localedir
libdir
psdir
pdfdir
dvidir
htmldir
infodir
docdir
oldincludedir
includedir
runstatedir
localstatedir
sharedstatedir
sysconfdir
datadir
datarootdir
libexecdir
sbindir
bindir
program_transform_name
prefix
exec_prefix
PACKAGE_URL
PACKAGE_BUGREPORT
PACKAGE_STRING
PACKAGE_VERSION
PACKAGE_TARNAME
PACKAGE_NAME
PATH_SEPARATOR
SHELL'
ac_subst_files=''
ac_user_opts='
enable_option_checking
,
    ac_precious_vars='build_alias
host_alias
target_alias
```

Продолжение листинга 6

```
CC
CFLAGS
LDFLAGS
LIBS
CPPFLAGS
CPP'

# Initialize some variables set by options.
ac_init_help=
ac_init_version=false
ac_unrecognized_opts=
ac_unrecognized_sep=
# The variables have the same names as the options, with
# dashes changed to underlines.
cache_file=/dev/null
exec_prefix=NONE
no_create=
no_recursion=
prefix=NONE
program_prefix=NONE
program_suffix=NONE
program_transform_name=s,x,x,
silent=
site=
srcdir=
verbose=
x_includes=NONE
x_libraries=NONE

# Installation directory options.
# These are left unexpanded so users can "make install exec_prefix=/foo"
# and all the variables that are supposed to be based on exec_prefix
# by default will actually change.
# Use braces instead of parens because sh, perl, etc. also accept them.
# (The list follows the same order as the GNU Coding Standards.)
bindir='${exec_prefix}/bin'
sbindir='${exec_prefix}/sbin'
libexecdir='${exec_prefix}/libexec'
datarootdir='${prefix}/share'
datadir='${datarootdir}'
```

Продолжение листинга 6

```
sysconfdir='${prefix}/etc'
sharedstatedir='${prefix}/com'
localstatedir='${prefix}/var'
runstatedir='${localstatedir}/run'
includedir='${prefix}/include'
oldincludedir='/usr/include'
docdir='${datarootdir}/doc/${PACKAGE_TARNAME}'
infodir='${datarootdir}/info'
htmldir='${docdir}'
dvidir='${docdir}'
pdfdir='${docdir}'
psdir='${docdir}'
libdir='${exec_prefix}/lib'
localedir='${datarootdir}/locale'
mandir='${datarootdir}/man'

ac_prev=
ac_dashdash=
for ac_option
do
    # If the previous option needs an argument, assign it.
    if test -n "$ac_prev"; then
        eval $ac_prev=\$ac_option
        ac_prev=
        continue
    fi

    case $ac_option in
        *=?*) ac_optarg=`expr "$ac_option" : '[^=]*=\..*\)'` ;;
        *)    ac_optarg= ;;
        *)    ac_optarg=yes ;;
    esac

    # Accept the important Cygnus configure options, so we can diagnose typos.

    case $ac_dashdash$ac_option in
        --)
            ac_dashdash=yes ;;

        -bindir | --bindir | --bindi | --bind | --bin | --bi)
            ac_prev=bindir ;;
    esac
```

Продолжение листинга 6

```
-bindir=* | --bindir=* | --bindi=* | --bind=* | --bin=* | --bi=*)
    bindir=$ac_optarg ;;

-build | --build | --buil | --bui | --bu)
    ac_prev=build_alias ;;
-build=* | --build=* | --buil=* | --bui=* | --bu=*)
    build_alias=$ac_optarg ;;

-cache-file | --cache-file | --cache-fil | --cache-fi \
| --cache-f | --cache- | --cache | --cach | --cac | --ca | --c)
    ac_prev=cache_file ;;
-cache-file=* | --cache-file=* | --cache-fil=* | --cache-fi=* \
| --cache-f=* | --cache-=* | --cache=* | --cach=* | --cac=* | --ca=* | --c=*)
    cache_file=$ac_optarg ;;

--config-cache | -C)
    cache_file=config.cache ;;

-datadir | --datadir | --datadi | --datad)
    ac_prev=datadir ;;
-datadir=* | --datadir=* | --datadi=* | --datad=*)
    datadir=$ac_optarg ;;

-datarootdir | --datarootdir | --datarootdi | --datarootd | --dataroot \
| --dataroo | --dataro | --datar)
    ac_prev=datarootdir ;;
-datarootdir=* | --datarootdir=* | --datarootdi=* | --datarootd=* \
| --dataroot=* | --dataroo=* | --dataro=* | --datar=*)
    datarootdir=$ac_optarg ;;

-disable-* | --disable-*)
    ac_useropt=`expr "x$ac_option" : 'x-*disable-\(.*\)'`
    # Reject names that are not valid shell variable names.
    expr "x$ac_useropt" : ".*[^+._$as_cr_alnum]" >/dev/null &&
    as_fn_error $? "invalid feature name: $ac_useropt"
    ac_useropt_orig=$ac_useropt
    ac_useropt=`$as_echo "$ac_useropt" | sed 's/[-+.]/_/g'`
    case $ac_user_opts in
        *)
            "enable_$ac_useropt"
    *) ;;
```

Продолжение листинга 6

```
*)          ac_unrecognized_opts="$ac_unrecognized_opts$ac_unrecognized_sep--
disable-$ac_useropt_orig"
    ac_unrecognized_sep=', ';;
esac
eval enable_$ac_useropt=no ;;

-docdir | --docdir | --docdi | --doc | --do)
    ac_prev=docdir ;;
-docdir=* | --docdir=* | --docdi=* | --doc=* | --do=*)
    docdir=$ac_optarg ;;

-dvidir | --dvidir | --dvidi | --dvid | --dvi | --dv)
    ac_prev=dvidir ;;
-dvidir=* | --dvidir=* | --dvidi=* | --dvid=* | --dvi=* | --dv=*)
    dvidir=$ac_optarg ;;

-enable-* | --enable-*)
    ac_useropt=`expr "x$ac_option" : 'x-*enable-\([^=]*\) '`
    # Reject names that are not valid shell variable names.
    expr "x$ac_useropt" : ".*[^-+._$as_cr_alnum]" >/dev/null &&
        as_fn_error $? "invalid feature name: $ac_useropt"
    ac_useropt_orig=$ac_useropt
    ac_useropt=`$as_echo "$ac_useropt" | sed 's/[-+.]/_/g'`
    case $ac_user_opts in
        *)
"enable_$ac_useropt"
"*) ;;

*)          ac_unrecognized_opts="$ac_unrecognized_opts$ac_unrecognized_sep--
enable-$ac_useropt_orig"
    ac_unrecognized_sep=', ';;
esac
eval enable_$ac_useropt=\$ac_optarg ;;

-exec-prefix | --exec_prefix | --exec-prefix | --exec-prefi \
| --exec-pref | --exec-pre | --exec-pr | --exec-p | --exec- \
| --exec | --exe | --ex)
    ac_prev=exec_prefix ;;
-exec-prefix=* | --exec_prefix=* | --exec-prefix=* | --exec-prefi=* \
| --exec-pref=* | --exec-pre=* | --exec-pr=* | --exec-p=* | --exec-=* \
| --exec=* | --exe=* | --ex=*)
    exec_prefix=$ac_optarg ;;
```

Продолжение листинга 6

```
-gas | --gas | --ga | --g)
    # Obsolete; use --with-gas.
    with_gas=yes ;;

-help | --help | --hel | --he | -h)
    ac_init_help=long ;;
-help=r* | --help=r* | --hel=r* | --he=r* | -hr*)
    ac_init_help=recursive ;;
-help=s* | --help=s* | --hel=s* | --he=s* | -hs*)
    ac_init_help=short ;;

-host | --host | --hos | --ho)
    ac_prev=host_alias ;;
-host=* | --host=* | --hos=* | --ho=*)
    host_alias=$ac_optarg ;;

-htmldir | --htmldir | --htmdi | --html | --html | --htm | --ht)
    ac_prev=htmldir ;;
-htmldir=* | --htmldir=* | --htmdi=* | --html=* | --html=* | --htm=* \
| --ht=*)
    htmldir=$ac_optarg ;;

-includedir | --includedir | --includedi | --included | --include \
| --includ | --inclu | --incl | --inc)
    ac_prev=includedir ;;
-includedir=* | --includedir=* | --includedi=* | --included=* | --include=* \
| --includ=* | --inclu=* | --incl=* | --inc=*)
    includedir=$ac_optarg ;;

-infodir | --infodir | --infodi | --infod | --info | --inf)
    ac_prev=infodir ;;
-infodir=* | --infodir=* | --infodi=* | --infod=* | --info=* | --inf=*)
    infodir=$ac_optarg ;;

-libdir | --libdir | --libdi | --libd)
    ac_prev=libdir ;;
-libdir=* | --libdir=* | --libdi=* | --libd=*)
    libdir=$ac_optarg ;;

-libexecdir | --libexecdir | --libexecdi | --libexecd | --libexec \
```


Продолжение листинга 6

```
| --libexe | --libex | --libe)
    ac_prev=libexecdir ;;
-libexecdir=* | --libexecdir=* | --libexecdi=* | --libexecd=* | --libexec=* \
| --libexe=* | --libex=* | --libe=*)
    libexecdir=$ac_optarg ;;

-localedir | --localedir | --localedi | --localed | --locale)
    ac_prev=localedir ;;
-localedir=* | --localedir=* | --localedi=* | --localed=* | --locale=*)
    localedir=$ac_optarg ;;

-localstatedir | --localstatedir | --localstatedi | --localstated \
| --localstate | --localstat | --localsta | --localst | --locals)
    ac_prev=localstatedir ;;
-localstatedir=* | --localstatedir=* | --localstatedi=* | --localstated=* \
| --localstate=* | --localstat=* | --localsta=* | --localst=* | --locals=*)
    localstatedir=$ac_optarg ;;

-mandir | --mandir | --mandi | --mand | --man | --ma | --m)
    ac_prev=mandir ;;
-mandir=* | --mandir=* | --mandi=* | --mand=* | --man=* | --ma=* | --m=*)
    mandir=$ac_optarg ;;

-nfp | --nfp | --nf)
    # Obsolete; use --without-fp.
    with_fp=no ;;

-no-create | --no-create | --no-creat | --no-crea | --no-cre \
| --no-cr | --no-c | -n)
    no_create=yes ;;

-no-recursion | --no-recursion | --no-recursio | --no-recursi \
| --no-recurs | --no-recur | --no-recu | --no-rec | --no-re | --no-r)
    no_recursion=yes ;;

-oldincludedir | --oldincludedir | --oldincludedi | --oldincluded \
| --oldinclude | --oldinclud | --oldinclu | --oldincl | --oldinc \
| --oldin | --oldi | --old | --ol | --o)
    ac_prev=oldincludedir ;;
-oldincludedir=* | --oldincludedir=* | --oldincludedi=* | --oldincluded=* \
| --oldinclude=* | --oldinclud=* | --oldinclu=* | --oldincl=* | --oldinc=* \
```

Продолжение листинга 6

```
| --oldin=* | --oldi=* | --old=* | --ol=* | --o=*)
    oldincludedir=$ac_optarg ;;

-prefix | --prefix | --prefi | --pref | --pre | --pr | --p)
    ac_prev=prefix ;;
-prefix=* | --prefix=* | --prefi=* | --pref=* | --pre=* | --pr=* | --p=*)
    prefix=$ac_optarg ;;

-program-prefix | --program-prefix | --program-prefi | --program-pref \
| --program-pre | --program-pr | --program-p)
    ac_prev=program_prefix ;;
-program-prefix=* | --program-prefix=* | --program-prefi=* \
| --program-pref=* | --program-pre=* | --program-pr=* | --program-p=*)
    program_prefix=$ac_optarg ;;

-program-suffix | --program-suffix | --program-suffi | --program-suff \
| --program-suf | --program-su | --program-s)
    ac_prev=program_suffix ;;
-program-suffix=* | --program-suffix=* | --program-suffi=* \
| --program-suff=* | --program-suf=* | --program-su=* | --program-s=*)
    program_suffix=$ac_optarg ;;

-program-transform-name | --program-transform-name \
| --program-transform-nam | --program-transform-na \
| --program-transform-n | --program-transform- \
| --program-transform | --program-transfor \
| --program-transfo | --program-transf \
| --program-trans | --program-tran \
| --progr-tra | --program-tr | --program-t)
    ac_prev=program_transform_name ;;
-program-transform-name=* | --program-transform-name=* \
| --program-transform-nam=* | --program-transform-na=* \
| --program-transform-n=* | --program-transform-=* \
| --program-transform=* | --program-transfor=* \
| --program-transfo=* | --program-transf=* \
| --program-trans=* | --program-tran=* \
| --progr-tra=* | --program-tr=* | --program-t=*)
    program_transform_name=$ac_optarg ;;

-pdfdir | --pdfdir | --pdfdi | --pdfd | --pdf | --pd)
    ac_prev=pdfdir ;;
```

Продолжение листинга 6

```
-pdfdir=* | --pdfdir=* | --pdfdi=* | --pdfd=* | --pdf=* | --pd=*)
    pdfdir=$ac_optarg ;;

-psdir | --psdir | --psdi | --psd | --ps)
    ac_prev=psdir ;;
-psdir=* | --psdir=* | --psdi=* | --psd=* | --ps=*)
    psdir=$ac_optarg ;;

-q | -quiet | --quiet | --quie | --qui | --qu | --q \
| -silent | --silent | --silen | --sile | --sil)
    silent=yes ;;

-runstatedir | --runstatedir | --runstatedi | --runstated \
| --runstate | --runstat | --runsta | --runst | --runs \
| --run | --ru | --r)
    ac_prev=runstatedir ;;
-runstatedir=* | --runstatedir=* | --runstatedi=* | --runstated=* \
| --runstate=* | --runstat=* | --runsta=* | --runst=* | --runs=* \
| --run=* | --ru=* | --r=*)
    runstatedir=$ac_optarg ;;

-sbindir | --sbindir | --sbindi | --sbind | --sbin | --sbi | --sb)
    ac_prev=sbindir ;;
-sbindir=* | --sbindir=* | --sbindi=* | --sbind=* | --sbin=* \
| --sbi=* | --sb=*)
    sbindir=$ac_optarg ;;

-sharedstatedir | --sharedstatedir | --sharedstatedi \
| --sharedstated | --sharedstate | --sharedstat | --sharedsta \
| --sharedst | --shareds | --shared | --share | --shar \
| --sha | --sh)
    ac_prev=sharedstatedir ;;
-sharedstatedir=* | --sharedstatedir=* | --sharedstatedi=* \
| --sharedstated=* | --sharedstate=* | --sharedstat=* | --sharedsta=* \
| --sharedst=* | --shareds=* | --shared=* | --share=* | --shar=* \
| --sha=* | --sh=*)
    sharedstatedir=$ac_optarg ;;

-site | --site | --sit)
    ac_prev=site ;;
-site=* | --site=* | --sit=*)
```

Продолжение листинга 6

```
site=$ac_optarg ;;

-srcdir | --srcdir | --srcdi | --srcd | --src | --sr)
    ac_prev=srcdir ;;
-srcdir=* | --srcdir=* | --srcdi=* | --srcd=* | --src=* | --sr=*)
    srcdir=$ac_optarg ;;

-sysconfdir | --sysconfdir | --sysconfdi | --sysconfd | --sysconf \
| --syscon | --sysco | --sysc | --sys | --sy)
    ac_prev=sysconfdir ;;
-sysconfdir=* | --sysconfdir=* | --sysconfdi=* | --sysconfd=* | --sysconf=* \
| --syscon=* | --sysco=* | --sysc=* | --sys=* | --sy=*)
    sysconfdir=$ac_optarg ;;

-target | --target | --targe | --targ | --tar | --ta | --t)
    ac_prev=target_alias ;;
-target=* | --target=* | --targe=* | --targ=* | --tar=* | --ta=* | --t=*)
    target_alias=$ac_optarg ;;

-v | -verbose | --verbose | --verbos | --verbo | --verb)
    verbose=yes ;;

-version | --version | --versio | --versi | --vers | -V)
    ac_init_version=: ;;

-with-* | --with-*)
    ac_useropt=`expr "x$ac_option" : 'x-*with-\[^\=]*\)'`
    # Reject names that are not valid shell variable names.
    expr "x$ac_useropt" : ".*[^\+._$as_cr_alnum]" >/dev/null &&
    as_fn_error $? "invalid package name: $ac_useropt"
    ac_useropt_orig=$ac_useropt
    ac_useropt=`$as_echo "$ac_useropt" | sed 's/[^\+._]/_/g'`
    case $ac_user_opts in
        *)
            "with_$ac_useropt"
            "*) ;;
            *) ac_unrecognized_opts="$ac_unrecognized_opts$ac_unrecognized_sep--with-
$ac_useropt_orig"
                ac_unrecognized_sep=', ' ;;
            esac
    eval with_$ac_useropt=\$ac_optarg ;;
```

Продолжение листинга 6

```
-without-* | --without-*)
    ac_useropt=`expr "x$sac_option" : 'x-*without-\(.*\) '`
    # Reject names that are not valid shell variable names.
    expr "x$sac_useropt" : ".*[^-+._$as_cr_alnum]" >/dev/null &&
        as_fn_error $? "invalid package name: $sac_useropt"
    ac_useropt_orig=$sac_useropt
    ac_useropt=`$as_echo "$sac_useropt" | sed 's/[-+.]/_/g'`
    case $sac_user_opts in
        *)
"with_$sac_useropt"
"*) ;;
        *)          ac_unrecognized_opts="$sac_unrecognized_opts$sac_unrecognized_sep--
without-$sac_useropt_orig"
        ac_unrecognized_sep=', ';;
    esac
    eval with_$sac_useropt=no ;;

--x)
    # Obsolete; use --with-x.
    with_x=yes ;;

-x-includes | --x-includes | --x-include | --x-includ | --x-inclu \
| --x-incl | --x-inc | --x-in | --x-i)
    ac_prev=x_includes ;;
-x-includes=* | --x-includes=* | --x-include=* | --x-includ=* | --x-inclu=* \
| --x-incl=* | --x-inc=* | --x-in=* | --x-i=*)
    x_includes=$sac_optarg ;;

-x-libraries | --x-libraries | --x-librarie | --x-librari \
| --x-librar | --x-libra | --x-libr | --x-lib | --x-li | --x-l)
    ac_prev=x_libraries ;;
-x-libraries=* | --x-libraries=* | --x-librarie=* | --x-librari=* \
| --x-librar=* | --x-libra=* | --x-libr=* | --x-lib=* | --x-li=* | --x-l=*)
    x_libraries=$sac_optarg ;;

-*) as_fn_error $? "unrecognized option: \`$sac_option'
Try \`$0 --help' for more information"
;;

*=*)
```

Продолжение листинга 6

```
ac_envvar=`expr "x$sac_option" : 'x\[^\=]*\]='`
# Reject names that are not valid shell variable names.
case $ac_envvar in #(
  '' | [0-9]* | *[_$as_cr_alnum]* )
    as_fn_error $? "invalid variable name: \`$ac_envvar'" ;;
esac
eval $ac_envvar=\$ac_optarg
export $ac_envvar ;;

*)
# FIXME: should be removed in autoconf 3.0.
$sas_echo "$sas_me: WARNING: you should use --build, --host, --target" >&2
expr "x$sac_option" : ".*[^_.$as_cr_alnum]" >/dev/null &&
  $sas_echo "$sas_me: WARNING: invalid host type: $ac_option" >&2
  :
    "${build_alias=$ac_option}          ${host_alias=$ac_option}
${target_alias=$ac_option}"
  ;;

esac
done

if test -n "$ac_prev"; then
  ac_option=--`echo $ac_prev | sed 's/_/-/g'`
  as_fn_error $? "missing argument to $ac_option"
fi

if test -n "$ac_unrecognized_opts"; then
  case $enable_option_checking in
    no) ;;
    fatal) as_fn_error $? "unrecognized options: $ac_unrecognized_opts" ;;
    *)
      $sas_echo "$sas_me: WARNING: unrecognized options: $ac_unrecognized_opts"
>&2 ;;
  esac
fi

# Check all directory arguments for consistency.
for ac_var in      exec_prefix prefix bindir sbindir libexecdir datarootdir \
                  datadir sysconfdir sharedstatedir localstatedir includedir \
                  oldincludedir docdir infodir htmdir dvidir pdfdir psdir \
                  libdir localedir mandir runstatedir
do
```

Продолжение листинга 6

```
eval ac_val=\${$ac_var}
# Remove trailing slashes.
case $ac_val in
    */ )
        ac_val=`expr "X$ac_val" : 'X\([^/]\)' \| "X$ac_val" : 'X\([^*]\)'`
        eval $ac_var=\$ac_val;;
esac
# Be sure to have absolute directory names.
case $ac_val in
    [\\/$]* | ?:[\\/$]* ) continue;;
    NONE | '' ) case $ac_var in *prefix ) continue;; esac;;
esac
as_fn_error $? "expected an absolute directory name for --$ac_var: $ac_val"
done

# There might be people who depend on the old broken behavior: `$host'
# used to hold the argument of --host etc.
# FIXME: To remove some day.
build=$build_alias
host=$host_alias
target=$target_alias

# FIXME: To remove some day.
if test "x$host_alias" != x; then
    if test "x$build_alias" = x; then
        cross_compiling=maybe
    elif test "x$build_alias" != "x$host_alias"; then
        cross_compiling=yes
    fi
fi

ac_tool_prefix=
test -n "$host_alias" && ac_tool_prefix=$host_alias-

test "$silent" = yes && exec 6>/dev/null

ac_pwd=`pwd` && test -n "$ac_pwd" &&
ac_ls_di=`ls -di .` &&
ac_pwd_ls_di=`cd "$ac_pwd" && ls -di .` ||
    as_fn_error $? "working directory cannot be determined"
```

Продолжение листинга 6

```
test "X$sac_ls_di" = "X$sac_pwd_ls_di" ||
    as_fn_error $? "pwd does not report name of working directory"

# Find the source files, if location was not specified.
if test -z "$srcdir"; then
    ac_srcdir_defaulted=yes
    # Try the directory containing this script, then the parent directory.
    ac_confdir=`$as_dirname -- "$as_myself" ||
$as_expr X"$as_myself" : 'X\(.*[^/]\)\/*[^/][^/]*/*$' \| \
    X"$as_myself" : 'X\(//\)[^/]' \| \
    X"$as_myself" : 'X\(//\)$' \| \
    X"$as_myself" : 'X\(/\)' \| . 2>/dev/null ||
$as_echo X"$as_myself" |
    sed '/^X\(.*[^/]\)\/*[^/][^/]*/*$/{
        s//\1/
        q
    }
/^X\(\\/\)\[^/].*${
    s//\1/
    q
}
/^X\(\\/\)\$/{
    s//\1/
    q
}
/^X\(\\/\).*${
    s//\1/
    q
}
s/.*\/./; q'`
    srcdir=$ac_confdir
    if test ! -r "$srcdir/$ac_unique_file"; then
        srcdir=..
    fi
else
    ac_srcdir_defaulted=no
fi
if test ! -r "$srcdir/$ac_unique_file"; then
    test "$ac_srcdir_defaulted" = yes && srcdir="$ac_confdir or .."
    as_fn_error $? "cannot find sources ($ac_unique_file) in $srcdir"
```


Продолжение листинга 6

```
fi
ac_msg="sources are in $srcdir, but `cd $srcdir' does not work"
ac_abs_confdir=`(
    cd "$srcdir" && test -r ".$ac_unique_file" || as_fn_error $? "$ac_msg"
    pwd)`
# When building in place, set srcdir=.
if test "$ac_abs_confdir" = "$ac_pwd"; then
    srcdir=.
fi
# Remove unnecessary trailing slashes from srcdir.
# Double slashes in file names in object file debugging info
# mess up M-x gdb in Emacs.
case $srcdir in
*/) srcdir=`expr "X$srcdir" : 'X\([^/]\)' \| "X$srcdir" : 'X\([^*]\)'`;
esac
for ac_var in $ac_precious_vars; do
    eval ac_env_${ac_var}_set=\${${ac_var}_set}
    eval ac_env_${ac_var}_value=\${${ac_var}_value}
    eval ac_cv_env_${ac_var}_set=\${${ac_var}_set}
    eval ac_cv_env_${ac_var}_value=\${${ac_var}_value}
done

#
# Report the --help message.
#
if test "$ac_init_help" = "long"; then
    # Omit some internal or obsolete options to make the list less imposing.
    # This message is too long to be a string in the A/UX 3.1 sh.
    cat <<_ACEOF
\`configure' configures FULL-PACKAGE-NAME VERSION to adapt to many kinds of
systems.

Usage: $0 [OPTION]... [VAR=VALUE]...

To assign environment variables (e.g., CC, CFLAGS...), specify them as
VAR=VALUE. See below for descriptions of some of the useful variables.

Defaults for the options are specified in brackets.

Configuration:
    -h, --help                display this help and exit
```

Продолжение листинга 6

```
--help=short      display options specific to this package
--help=recursive  display the short help of all the included packages
-V, --version     display version information and exit
-q, --quiet, --silent do not print '\`checking ...' messages
--cache-file=FILE cache test results in FILE [disabled]
-C, --config-cache alias for '\`--cache-file=config.cache'
-n, --no-create   do not create output files
--srcdir=DIR      find the sources in DIR [configure dir or '\`..']
```

Installation directories:

```
--prefix=PREFIX    install architecture-independent files in PREFIX
                   [$ac_default_prefix]
--exec-prefix=EPREFIX install architecture-dependent files in EPREFIX
                   [PREFIX]
```

By default, '\`make install' will install all the files in
\`\$ac_default_prefix/bin', '`\$ac_default_prefix/lib' etc. You can specify
an installation prefix other than '`\$ac_default_prefix' using '\`--prefix',
for instance '\`--prefix=\$HOME'.

For better control, use the options below.

Fine tuning of the installation directories:

```
--bindir=DIR        user executables [EPREFIX/bin]
--sbindir=DIR       system admin executables [EPREFIX/sbin]
--libexecdir=DIR    program executables [EPREFIX/libexec]
--sysconfdir=DIR    read-only single-machine data [PREFIX/etc]
--sharedstatedir=DIR modifiable architecture-independent data [PREFIX/com]
--localstatedir=DIR modifiable single-machine data [PREFIX/var]
--runstatedir=DIR   modifiable per-process data [LOCALSTATEDIR/run]
--libdir=DIR        object code libraries [EPREFIX/lib]
--includedir=DIR    C header files [PREFIX/include]
--oldincludedir=DIR C header files for non-gcc [/usr/include]
--datarootdir=DIR   read-only arch.-independent data root [PREFIX/share]
--datadir=DIR       read-only architecture-independent data [DATAROOTDIR]
--infodir=DIR       info documentation [DATAROOTDIR/info]
--localedir=DIR     locale-dependent data [DATAROOTDIR/locale]
--mandir=DIR        man documentation [DATAROOTDIR/man]
--docdir=DIR        documentation root
                   [DATAROOTDIR/doc/full-package-name]
--htmldir=DIR       html documentation [DOCDIR]
```

Продолжение листинга 6

```
--dvidir=DIR          dvi documentation [DOCDIR]
--pdfdir=DIR          pdf documentation [DOCDIR]
--psdir=DIR           ps documentation [DOCDIR]
_ACEOF

cat <<\_ACEOF
_ACEOF
fi

if test -n "$ac_init_help"; then
  case $ac_init_help in
    short | recursive ) echo "Configuration of FULL-PACKAGE-NAME VERSION:";;
    esac
  cat <<\_ACEOF
```

Some influential environment variables:

CC	C compiler command
CFLAGS	C compiler flags
LDFLAGS	linker flags, e.g. -L<lib dir> if you have libraries in a nonstandard directory <lib dir>
LIBS	libraries to pass to the linker, e.g. -l<library>
CPPFLAGS	(Objective) C/C++ preprocessor flags, e.g. -I<include dir> if you have headers in a nonstandard directory <include dir>
CPP	C preprocessor

Use these variables to override the choices made by `configure' or to help it to find libraries and programs with nonstandard names/locations.

Report bugs to <BUG-REPORT-ADDRESS>.

```
_ACEOF
ac_status=$?
fi

if test "$ac_init_help" = "recursive"; then
  # If there are subdirs, report their specific --help.
  for ac_dir in : $ac_subdirs_all; do test "x$ac_dir" = x: && continue
    test -d "$ac_dir" ||
      { cd "$srcdir" && ac_pwd=`pwd` && srcdir=. && test -d "$ac_dir"; } ||
      continue
    ac_builddir=.
  done
```

Продолжение листинга 6

```
case "$ac_dir" in
.) ac_dir_suffix= ac_top_builddir_sub=. ac_top_build_prefix= ;;
*)
  ac_dir_suffix=`$as_echo "$ac_dir" | sed 's|^\.[\|/]|'|`
  # A ".." for each directory in $ac_dir_suffix.
  ac_top_builddir_sub=`$as_echo "$ac_dir_suffix" | sed 's|/[^\|/]*|/..|g;s|/||'|`
  case $ac_top_builddir_sub in
  "") ac_top_builddir_sub=. ac_top_build_prefix= ;;
  *) ac_top_build_prefix=$ac_top_builddir_sub/ ;;
  esac ;;
esac

ac_abs_top_builddir=$ac_pwd
ac_abs_builddir=$ac_pwd$ac_dir_suffix
# for backward compatibility:
ac_top_builddir=$ac_top_build_prefix

case $srcdir in
.) # We are building in place.
  ac_srcdir=.
  ac_top_srcdir=$ac_top_builddir_sub
  ac_abs_top_srcdir=$ac_pwd ;;
[\|/]* | ?:[\|/]* ) # Absolute name.
  ac_srcdir=$srcdir$ac_dir_suffix;
  ac_top_srcdir=$srcdir
  ac_abs_top_srcdir=$srcdir ;;
*) # Relative name.
  ac_srcdir=$ac_top_build_prefix$srcdir$ac_dir_suffix
  ac_top_srcdir=$ac_top_build_prefix$srcdir
  ac_abs_top_srcdir=$ac_pwd/$srcdir ;;
esac

ac_abs_srcdir=$ac_abs_top_srcdir$ac_dir_suffix

cd "$ac_dir" || { ac_status=$?; continue; }
# Check for guested configure.
if test -f "$ac_srcdir/configure.gnu"; then
  echo &&
  $SHELL "$ac_srcdir/configure.gnu" --help=recursive
elif test -f "$ac_srcdir/configure"; then
  echo &&
  $SHELL "$ac_srcdir/configure" --help=recursive
else
```

Продолжение листинга 6

```
    $as_echo "$as_me: WARNING: no configuration information is in $ac_dir" >&2
  fi || ac_status=$?
  cd "$ac_pwd" || { ac_status=$?; break; }
done
fi

test -n "$ac_init_help" && exit $ac_status
if $ac_init_version; then
  cat <<\_ACEOF
FULL-PACKAGE-NAME configure VERSION
generated by GNU Autoconf 2.69

Copyright (C) 2012 Free Software Foundation, Inc.
This configure script is free software; the Free Software Foundation
gives unlimited permission to copy, distribute and modify it.
\_ACEOF
  exit
fi

## ----- ##
## Autoconf initialization. ##
## ----- ##

# ac_fn_c_try_compile LINENO
# -----
# Try to compile conftest.$ac_ext, and return whether this succeeded.
ac_fn_c_try_compile ()
{
  as_lineno=${as_lineno-"$1"} as_lineno_stack=as_lineno_stack=$as_lineno_stack
  rm -f conftest.$ac_objext
  if { { ac_try="$ac_compile"
case "($ac_try" in
  *\"* | *\`* | *\\*) ac_try_echo=\$ac_try;;
  *) ac_try_echo=$ac_try;;
esac
eval ac_try_echo=\"\"$as_me:${as_lineno-$LINENO}: $ac_try_echo\""
$as_echo "$ac_try_echo"; } >&5
  (eval "$ac_compile") 2>conftest.err
  ac_status=$?
  if test -s conftest.err; then
    grep -v '^ *+' conftest.err >conftest.erl
```

Продолжение листинга 6

```
cat conftest.erl >&5
mv -f conftest.erl conftest.err
fi
$as_echo "$as_me:${as_lineno-$LINENO}: \$? = $ac_status" >&5
test $ac_status = 0; } && {
    test -z "$ac_c_werror_flag" ||
    test ! -s conftest.err
    } && test -s conftest.$ac_objext; then :
ac_retval=0
else
    $as_echo "$as_me: failed program was:" >&5
sed 's/^/| /' conftest.$ac_ext >&5

    ac_retval=1
fi
eval $as_lineno_stack; ${as_lineno_stack:+:} unset as_lineno
as_fn_set_status $ac_retval

} # ac_fn_c_try_compile

# ac_fn_c_try_link LINENO
# -----
# Try to link conftest.$ac_ext, and return whether this succeeded.
ac_fn_c_try_link ()
{
    as_lineno=${as_lineno-"$1"} as_lineno_stack=as_lineno_stack=$as_lineno_stack
    rm -f conftest.$ac_objext conftest$ac_exeext
    if { { ac_try="$ac_link"
case "($ac_try" in
  *\"* | *\`* | *\\*) ac_try_echo=\$ac_try;;
  *) ac_try_echo=$ac_try;;
esac
eval ac_try_echo=\"`\$as_me:${as_lineno-$LINENO}: $ac_try_echo\""
$as_echo "$ac_try_echo"; } >&5
    (eval "$ac_link") 2>conftest.err
    ac_status=$?
    if test -s conftest.err; then
        grep -v '^ *+' conftest.err >conftest.erl
        cat conftest.erl >&5
        mv -f conftest.erl conftest.err
    fi
```

Продолжение листинга 6

```
$as_echo "$as_me:${as_lineno-$LINENO}: \ $? = $ac_status" >&5
test $ac_status = 0; } && {
    test -z "$ac_c_werror_flag" ||
    test ! -s conftest.err
    } && test -s conftest$ac_exeext && {
    test "$cross_compiling" = yes ||
    test -x conftest$ac_exeext
    }; then :
    ac_retval=0
else
    $as_echo "$as_me: failed program was:" >&5
    sed 's/^/| /' conftest.$ac_ext >&5

    ac_retval=1
fi

# Delete the IPA/IPO (Inter Procedural Analysis/Optimization) information
# created by the PGI compiler (conftest_ipa8_conftest.oo), as it would
# interfere with the next link command; also delete a directory that is
# left behind by Apple's compiler. We do this before executing the actions.
rm -rf conftest.dSYM conftest_ipa8_conftest.oo
eval $as_lineno_stack; ${as_lineno_stack:+:} unset as_lineno
as_fn_set_status $ac_retval

} # ac_fn_c_try_link

# ac_fn_c_try_cpp LINENO
# -----
# Try to preprocess conftest.$ac_ext, and return whether this succeeded.
ac_fn_c_try_cpp ()
{
    as_lineno=${as_lineno-"$1"} as_lineno_stack=as_lineno_stack=$as_lineno_stack
    if { { ac_try="$ac_cpp conftest.$ac_ext"
case "($ac_try" in
    *\"* | *\`* | *\\*) ac_try_echo=\$ac_try;;
    *) ac_try_echo=$ac_try;;
esac
eval ac_try_echo=\"\`$as_me:${as_lineno-$LINENO}: $ac_try_echo\"
$as_echo "$ac_try_echo"; } >&5
    (eval "$ac_cpp conftest.$ac_ext") 2>conftest.err
    ac_status=$?
    if test -s conftest.err; then
```

Продолжение листинга 6

```
grep -v '^ *+' conftest.err >conftest.erl
cat conftest.erl >&5
mv -f conftest.erl conftest.err
fi
$as_echo "$as_me:${as_lineno-$LINENO}: \ $? = $ac_status" >&5
test $ac_status = 0; } > conftest.i && {
    test -z "$ac_c_preproc_warn_flag$ac_c_werror_flag" ||
    test ! -s conftest.err
    }; then :
    ac_retval=0
else
    $as_echo "$as_me: failed program was:" >&5
    sed 's/^/| /' conftest.$ac_ext >&5

    ac_retval=1
fi
eval $as_lineno_stack; ${as_lineno_stack:+:} unset as_lineno
as_fn_set_status $ac_retval

} # ac_fn_c_try_cpp

# ac_fn_c_check_header_mongrel LINENO HEADER VAR INCLUDES
# -----
# Tests whether HEADER exists, giving a warning if it cannot be compiled using
# the include files in INCLUDES and setting the cache variable VAR
# accordingly.
ac_fn_c_check_header_mongrel ()
{
    as_lineno=${as_lineno-"$1"} as_lineno_stack=as_lineno_stack=$as_lineno_stack
    if eval \${$3+:} false; then :
        { $as_echo "$as_me:${as_lineno-$LINENO}: checking for $2" >&5
$as_echo_n "checking for $2... " >&6; }
    if eval \${$3+:} false; then :
        $as_echo_n "(cached) " >&6
    fi
    eval ac_res=\${$3
        { $as_echo "$as_me:${as_lineno-$LINENO}: result: $ac_res" >&5
$as_echo "$ac_res" >&6; }
    else
        # Is the header compilable?
        { $as_echo "$as_me:${as_lineno-$LINENO}: checking $2 usability" >&5
```


Продолжение листинга 6

```
$as_echo_n "checking $2 usability... " >&6; }
cat confdefs.h - <<_ACEOF >conftest.$ac_ext
/* end confdefs.h. */
$4
#include <$2>
_ACEOF
if ac_fn_c_try_compile "$LINENO"; then :
    ac_header_compiler=yes
else
    ac_header_compiler=no
fi
rm -f core conftest.err conftest.$ac_objext conftest.$ac_ext
{ $as_echo "$as_me:${as_lineno-$LINENO}: result: $ac_header_compiler" >&5
$as_echo "$ac_header_compiler" >&6; }

# Is the header present?
{ $as_echo "$as_me:${as_lineno-$LINENO}: checking $2 presence" >&5
$as_echo_n "checking $2 presence... " >&6; }
cat confdefs.h - <<_ACEOF >conftest.$ac_ext
/* end confdefs.h. */
#include <$2>
_ACEOF
if ac_fn_c_try_cpp "$LINENO"; then :
    ac_header_preproc=yes
else
    ac_header_preproc=no
fi
rm -f conftest.err conftest.i conftest.$ac_ext
{ $as_echo "$as_me:${as_lineno-$LINENO}: result: $ac_header_preproc" >&5
$as_echo "$ac_header_preproc" >&6; }

# So? What about this header?
case $ac_header_compiler:$ac_header_preproc:$ac_c_preproc_warn_flag in #((
    yes:no: )
        { $as_echo "$as_me:${as_lineno-$LINENO}: WARNING: $2: accepted by the
compiler, rejected by the preprocessor!" >&5
$as_echo "$as_me: WARNING: $2: accepted by the compiler, rejected by the
preprocessor!" >&2;}
        { $as_echo "$as_me:${as_lineno-$LINENO}: WARNING: $2: proceeding with the
compiler's result" >&5
$as_echo "$as_me: WARNING: $2: proceeding with the compiler's result" >&2;}
```

Продолжение листинга 6

```
;;
no:yes:* )
{ $as_echo "$as_me:${as_lineno-$LINENO}: WARNING: $2: present but cannot be
compiled" >&5
$as_echo "$as_me: WARNING: $2: present but cannot be compiled" >&2;}
{ $as_echo "$as_me:${as_lineno-$LINENO}: WARNING: $2:      check for missing
prerequisite headers?" >&5
$as_echo "$as_me: WARNING: $2:      check for missing prerequisite headers?" >&2;}
{ $as_echo "$as_me:${as_lineno-$LINENO}: WARNING: $2: see the Autoconf
documentation" >&5
$as_echo "$as_me: WARNING: $2: see the Autoconf documentation" >&2;}
{ $as_echo "$as_me:${as_lineno-$LINENO}: WARNING: $2:      section \"Present
But Cannot Be Compiled\"" >&5
$as_echo "$as_me: WARNING: $2:      section \"Present But Cannot Be Compiled\""
>&2;}
{ $as_echo "$as_me:${as_lineno-$LINENO}: WARNING: $2: proceeding with the
compiler's result" >&5
$as_echo "$as_me: WARNING: $2: proceeding with the compiler's result" >&2;}
( $as_echo "## ----- ##
## Report this to BUG-REPORT-ADDRESS ##
## ----- ##"
) | sed "s/^/$as_me: WARNING:      /" >&2
;;
esac
{ $as_echo "$as_me:${as_lineno-$LINENO}: checking for $2" >&5
$as_echo_n "checking for $2... " >&6; }
if eval \${$3+:} false; then :
  $as_echo_n "(cached) " >&6
else
  eval "$3=\$ac_header_compiler"
fi
eval ac_res=\${$3}
{ $as_echo "$as_me:${as_lineno-$LINENO}: result: $ac_res" >&5
$as_echo "$ac_res" >&6; }
fi
eval $as_lineno_stack; ${as_lineno_stack+:} unset as_lineno

} # ac_fn_c_check_header_mongrel

# ac_fn_c_try_run LINENO
# -----
```

Продолжение листинга 6

```
# Try to link conftest.$ac_ext, and return whether this succeeded. Assumes
# that executables *can* be run.
ac_fn_c_try_run ()
{
    as_lineno=${as_lineno-"$1"} as_lineno_stack=as_lineno_stack=$as_lineno_stack
    if { { ac_try="$ac_link"
case "($ac_try" in
    *\"* | *\\* | *\\*) ac_try_echo=\$ac_try;;
    *) ac_try_echo=$ac_try;;
esac
eval ac_try_echo=\"\"\$as_me:${as_lineno-$LINENO}: $ac_try_echo\""
$as_echo "$ac_try_echo"; } >&5
    (eval "$ac_link") 2>&5
    ac_status=$?
    $as_echo "$as_me:${as_lineno-$LINENO}: \\$? = $ac_status" >&5
    test $ac_status = 0; } && { ac_try='./conftest$ac_exeext'
    { { case "($ac_try" in
    *\"* | *\\* | *\\*) ac_try_echo=\$ac_try;;
    *) ac_try_echo=$ac_try;;
esac
eval ac_try_echo=\"\"\$as_me:${as_lineno-$LINENO}: $ac_try_echo\""
$as_echo "$ac_try_echo"; } >&5
    (eval "$ac_try") 2>&5
    ac_status=$?
    $as_echo "$as_me:${as_lineno-$LINENO}: \\$? = $ac_status" >&5
    test $ac_status = 0; }; }; then :
    ac_retval=0
else
    $as_echo "$as_me: program exited with status $ac_status" >&5
    $as_echo "$as_me: failed program was:" >&5
sed 's/^/| /' conftest.$ac_ext >&5

    ac_retval=$ac_status
fi
rm -rf conftest.dSYM conftest_ipa8_conftest.oo
eval $as_lineno_stack; ${as_lineno_stack:+} unset as_lineno
as_fn_set_status $ac_retval

} # ac_fn_c_try_run

# ac_fn_c_check_header_compile LINENO HEADER VAR INCLUDES
```

Продолжение листинга 6

```
# -----
# Tests whether HEADER exists and can be compiled using the include files in
# INCLUDES, setting the cache variable VAR accordingly.
ac_fn_c_check_header_compile ()
{
    as_lineno=${as_lineno-"$1"} as_lineno_stack=as_lineno_stack=$as_lineno_stack
    { $as_echo "$as_me:${as_lineno-$LINENO}: checking for $2" >&5
$as_echo_n "checking for $2... " >&6; }
    if eval \${$3+:} false; then :
        $as_echo_n "(cached) " >&6
    else
        cat confdefs.h - <<_ACEOF >conftest.$ac_ext
/* end confdefs.h.  */
$4
#include <$2>
_ACEOF
    if ac_fn_c_try_compile "$LINENO"; then :
        eval "$3=yes"
    else
        eval "$3=no"
    fi
    rm -f core conftest.err conftest.$ac_objext conftest.$ac_ext
    fi
    eval ac_res=\${$3}
        { $as_echo "$as_me:${as_lineno-$LINENO}: result: $ac_res" >&5
$as_echo "$ac_res" >&6; }
        eval $as_lineno_stack; ${as_lineno_stack+:} unset as_lineno

} # ac_fn_c_check_header_compile

# ac_fn_c_check_type LINENO TYPE VAR INCLUDES
# -----
# Tests whether TYPE exists after having included INCLUDES, setting cache
# variable VAR accordingly.
ac_fn_c_check_type ()
{
    as_lineno=${as_lineno-"$1"} as_lineno_stack=as_lineno_stack=$as_lineno_stack
    { $as_echo "$as_me:${as_lineno-$LINENO}: checking for $2" >&5
$as_echo_n "checking for $2... " >&6; }
    if eval \${$3+:} false; then :
        $as_echo_n "(cached) " >&6
```

Продолжение листинга 6

```
else
    eval "$3=no"
    cat confdefs.h - <<_ACEOF >conftest.$ac_ext
/* end confdefs.h. */
$4
int
main ()
{
    if (sizeof ($2))
        return 0;

    ;
    return 0;
}
_ACEOF
if ac_fn_c_try_compile "$LINENO"; then :
    cat confdefs.h - <<_ACEOF >conftest.$ac_ext
/* end confdefs.h. */
$4
int
main ()
{
    if (sizeof (($2)))
        return 0;

    ;
    return 0;
}
_ACEOF
if ac_fn_c_try_compile "$LINENO"; then :

else
    eval "$3=yes"
fi
rm -f core conftest.err conftest.$ac_objext conftest.$ac_ext
fi
rm -f core conftest.err conftest.$ac_objext conftest.$ac_ext
fi
eval ac_res=\${$3}
    { $as_echo "$as_me:${as_lineno-$LINENO}: result: $ac_res" >&5
$as_echo "$ac_res" >&6; }
    eval $as_lineno_stack; ${as_lineno_stack:+:} unset as_lineno
```

Продолжение листинга 6

```
} # ac_fn_c_check_type

# ac_fn_c_find_intX_t LINENO BITS VAR
# -----
# Finds a signed integer type with width BITS, setting cache variable VAR
# accordingly.
ac_fn_c_find_intX_t ()
{
    as_lineno=${as_lineno-"$1"} as_lineno_stack=as_lineno_stack=$as_lineno_stack
    { $as_echo "$as_me:${as_lineno-$LINENO}: checking for int$2_t" >&5
$as_echo_n "checking for int$2_t... " >&6; }
    if eval \${$3+:} false; then :
        $as_echo_n "(cached) " >&6
    else
        eval "$3=no"
        # Order is important - never check a type that is potentially smaller
        # than half of the expected target width.
        for ac_type in int$2_t 'int' 'long int' \
            'long long int' 'short int' 'signed char'; do
            cat confdefs.h - <<_ACEOF >conftest.$ac_ext
/* end confdefs.h. */
$ac_includes_default
            enum { N = $2 / 2 - 1 };

int
main ()
{
static int test_array [1 - 2 * !(0 < ($ac_type) (((($ac_type) 1 << N) << N) - 1)
* 2 + 1)]];
test_array [0] = 0;
return test_array [0];

;
return 0;
}
_ACEOF
if ac_fn_c_try_compile "$LINENO"; then :
    cat confdefs.h - <<_ACEOF >conftest.$ac_ext
/* end confdefs.h. */
$ac_includes_default
            enum { N = $2 / 2 - 1 };

int
```

Продолжение листинга 6

```
main ()
{
static int test_array [1 - 2 * !(($ac_type) (((($ac_type) 1 << N) << N) - 1) *
2 + 1)
        < ($ac_type) (((($ac_type) 1 << N) << N) - 1) * 2 + 2)]];
test_array [0] = 0;
return test_array [0];

;
return 0;
}
_ACEOF
if ac_fn_c_try_compile "$LINENO"; then :

else
    case $ac_type in #(
int$2_t) :
        eval "$3=yes" ;; #(
*) :
        eval "$3=\$ac_type" ;;
    esac
fi
rm -f core conftest.err conftest.$ac_objext conftest.$ac_ext
fi
rm -f core conftest.err conftest.$ac_objext conftest.$ac_ext
    if eval test \"x\${$3}\" = x\"no\"; then :

else
    break
fi
done
fi
eval ac_res=\${$3}
        { $as_echo \"$as_me:${as_lineno-$LINENO}: result: $ac_res\" >&5
$as_echo \"$ac_res\" >&6; }
    eval $as_lineno_stack; ${as_lineno_stack:+:} unset as_lineno

} # ac_fn_c_find_intX_t

# ac_fn_c_check_func LINENO FUNC VAR
# -----
```

Продолжение листинга 6

```
# Tests whether FUNC exists, setting the cache variable VAR accordingly
ac_fn_c_check_func ()
{
    as_lineno=${as_lineno-"$1"} as_lineno_stack=as_lineno_stack=$as_lineno_stack
    { $as_echo "$as_me:${as_lineno-$LINENO}: checking for $2" >&5
$as_echo_n "checking for $2... " >&6; }
    if eval \${$3+:} false; then :
        $as_echo_n "(cached) " >&6
    else
        cat confdefs.h - <<_ACEOF >conftest.$ac_ext
/* end confdefs.h.  */
/* Define $2 to an innocuous variant, in case <limits.h> declares $2.
   For example, HP-UX 11i <limits.h> declares gettimeofday.  */
#define $2 innocuous_$2

/* System header to define __stub macros and hopefully few prototypes,
   which can conflict with char $2 (); below.
   Prefer <limits.h> to <assert.h> if __STDC__ is defined, since
   <limits.h> exists even on freestanding compilers.  */

#ifdef __STDC__
# include <limits.h>
#else
# include <assert.h>
#endif

#undef $2

/* Override any GCC internal prototype to avoid an error.
   Use char because int might match the return type of a GCC
   builtin and then its argument prototype would still apply.  */
#ifdef __cplusplus
extern "C"
#endif
char $2 ();
/* The GNU C library defines this for functions which it implements
   to always fail with ENOSYS.  Some functions are actually named
   something starting with __ and the normal name is an alias.  */
#ifdef __stub_$2 || defined __stub__$2
choke me
#endif
```


Продолжение листинга 6

```
int
main ()
{
return $2 ();

;
return 0;
}
_ACEOF
if ac_fn_c_try_link "$LINENO"; then :
eval "$3=yes"
else
eval "$3=no"
fi
rm -f core conftest.err conftest.$ac_objext \
conftest$ac_exeext conftest.$ac_ext
fi
eval ac_res=\${$3
    { $as_echo "$as_me:${as_lineno-$LINENO}: result: $ac_res" >&5
$as_echo "$ac_res" >&6; }
eval $as_lineno_stack; ${as_lineno_stack:+:} unset as_lineno

} # ac_fn_c_check_func
cat >config.log <<_ACEOF
This file contains any messages produced by compilers while
running configure, to aid debugging if configure makes a mistake.

It was created by FULL-PACKAGE-NAME $as_me VERSION, which was
generated by GNU Autoconf 2.69.  Invocation command line was

    $ $0 $@

_ACEOF
exec 5>>config.log
{
cat <<_ASUNAME
## ----- ##
## Platform. ##
## ----- ##

hostname = `(hostname || uname -n) 2>/dev/null | sed 1q`
```

Продолжение листинга 6

```
uname -m = `(uname -m) 2>/dev/null || echo unknown`
uname -r = `(uname -r) 2>/dev/null || echo unknown`
uname -s = `(uname -s) 2>/dev/null || echo unknown`
uname -v = `(uname -v) 2>/dev/null || echo unknown`

/usr/bin/uname -p = `(/usr/bin/uname -p) 2>/dev/null || echo unknown`
/bin/uname -X      = `(/bin/uname -X) 2>/dev/null      || echo unknown`

/bin/arch          = `(/bin/arch) 2>/dev/null          || echo unknown`
/usr/bin/arch -k    = `(/usr/bin/arch -k) 2>/dev/null    || echo unknown`
/usr/convex/getsysinfo = `(/usr/convex/getsysinfo) 2>/dev/null || echo unknown`
/usr/bin/hostinfo   = `(/usr/bin/hostinfo) 2>/dev/null   || echo unknown`
/bin/machine        = `(/bin/machine) 2>/dev/null       || echo unknown`
/usr/bin/oslevel     = `(/usr/bin/oslevel) 2>/dev/null    || echo unknown`
/bin/universe       = `(/bin/universe) 2>/dev/null      || echo unknown`

_ASUNAME

as_save_IFS=$IFS; IFS=$PATH_SEPARATOR
for as_dir in $PATH
do
  IFS=$as_save_IFS
  test -z "$as_dir" && as_dir=.
  $as_echo "PATH: $as_dir"
done
IFS=$as_save_IFS

} >&5

cat >&5 <<_ACEOF

## ----- ##
## Core tests. ##
## ----- ##

_ACEOF

# Keep a trace of the command line.
# Strip out --no-create and --no-recursion so they do not pile up.
```

Продолжение листинга 6

```
# Strip out --silent because we don't want to record it for future runs.
# Also quote any args containing shell meta-characters.
# Make two passes to allow for proper duplicate-argument suppression.
ac_configure_args=
ac_configure_args0=
ac_configure_args1=
ac_must_keep_next=false
for ac_pass in 1 2
do
  for ac_arg
  do
    case $ac_arg in
      -no-create | --no-c* | -n | -no-recursion | --no-r*) continue ;;
      -q | -quiet | --quiet | --quie | --qui | --qu | --q \
      | -silent | --silent | --silen | --sile | --sil)
        continue ;;
      *\'*)
        ac_arg=`$as_echo "$ac_arg" | sed "s/'/'\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\'/g"` ;;
    esac
    case $ac_pass in
      1) as_fn_append ac_configure_args0 " '$ac_arg'" ;;
      2)
        as_fn_append ac_configure_args1 " '$ac_arg'"
        if test $ac_must_keep_next = true; then
          ac_must_keep_next=false # Got value, back to normal.
        else
          case $ac_arg in
            *=* | --config-cache | -C | -disable-* | --disable-* \
            | -enable-* | --enable-* | -gas | --g* | -nfp | --nf* \
            | -q | -quiet | --q* | -silent | --sil* | -v | -verb* \
            | -with-* | --with-* | -without-* | --without-* | --x)
              case "$ac_configure_args0 " in
                "$ac_configure_args1"* " '$ac_arg' "*" ) continue ;;
              esac
            ;;
            -* ) ac_must_keep_next=true ;;
          esac
        fi
        as_fn_append ac_configure_args " '$ac_arg'"
      ;;
    esac
  done
done
```

Продолжение листинга 6

```
done
done
{ ac_configure_args0=; unset ac_configure_args0;}
{ ac_configure_args1=; unset ac_configure_args1;}

# When interrupted or exit'd, cleanup temporary files, and complete
# config.log. We remove comments because anyway the quotes in there
# would cause problems or look ugly.
# WARNING: Use '\'' to represent an apostrophe within the trap.
# WARNING: Do not start the trap code with a newline, due to a FreeBSD 4.0 bug.
trap 'exit_status=$?
# Save into config.log some information that might help in debugging.
{
    echo

    $as_echo "## ----- ##"
## Cache variables. ##
## ----- ##"
    echo
    # The following way of writing the cache mishandles newlines in values,
(
    for ac_var in `(set) 2>&1 | sed -n '\''s/^\([a-zA-Z_][a-zA-Z0-9_]*\)=.*/\1/p'\''`; do
        eval ac_val=\${$ac_var}
        case $ac_val in #(
            *${as_nl}*)
                case $ac_var in #(
                    *_cv_*) { $as_echo "$as_me:${as_lineno-$LINENO}: WARNING: cache variable
$ac_var contains a newline" >&5
$as_echo "$as_me: WARNING: cache variable $ac_var contains a newline" >&2;} ;;
                esac
                case $ac_var in #(
                    _ | IFS | as_nl) ;; #(
                    BASH_ARGV | BASH_SOURCE) eval $ac_var= ;; #(
                    *) { eval $ac_var=; unset $ac_var;} ;;
                esac ;;
            esac
done
(set) 2>&1 |
    case $as_nl `(ac_space='\'' '\''; set) 2>&1` in #(
        *${as_nl}ac_space=\ *)
```

Продолжение листинга 6

```

        sed -n \
        "s/'\''/'\''\\\\\\\\'\'''\'''\''/g;

s/^\\([_$_as_cr_alnum]*_cv_[_$_as_cr_alnum]*\\)=\\(.*\\)/\\1='\\''\\2\\'''/p"
    ;; #(
*)
    sed -n "/^[_$_as_cr_alnum]*_cv_[_$_as_cr_alnum]*=/p"
    ;;
esac |
sort
)

echo

$as_echo "## ----- ##"
## Output variables. ##
## ----- ##"

echo
for ac_var in $ac_subst_vars
do
    eval ac_val=\\$ac_var
    case $ac_val in
        *\\'\''*)          ac_val=`$as_echo          "$ac_val"          |          sed
"s/'\''/'\''\\\\\\\\\\\\\\\\\\\\'\'''\'''\''/g"`;;
    esac
    $as_echo "$ac_var='\\''$ac_val\\'''"
done | sort
echo

if test -n "$ac_subst_files"; then
    $as_echo "## ----- ##"
## File substitutions. ##
## ----- ##"

echo
for ac_var in $ac_subst_files
do
    eval ac_val=\\$ac_var
    case $ac_val in
        *\\'\''*)          ac_val=`$as_echo          "$ac_val"          |          sed
"s/'\''/'\''\\\\\\\\\\\\\\\\\\\\'\'''\'''\''/g"`;;
    esac
    $as_echo "$ac_var='\\''$ac_val\\'''"

```

Продолжение листинга 6

```
done | sort
echo
fi

if test -s confdefs.h; then
    $as_echo "## ----- ##"
## confdefs.h. ##
## ----- ##"
    echo
    cat confdefs.h
    echo
fi
test "$ac_signal" != 0 &&
    $as_echo "$as_me: caught signal $ac_signal"
    $as_echo "$as_me: exit $exit_status"
} >&5
rm -f core *.core core.conftest.* &&
rm -f -r conftest* confdefs* conf$$* $ac_clean_files &&
exit $exit_status
' 0
for ac_signal in 1 2 13 15; do
    trap 'ac_signal='$ac_signal'; as_fn_exit 1' $ac_signal
done
ac_signal=0

# confdefs.h avoids OS command line length limits that DEFS can exceed.
rm -f -r conftest* confdefs.h

$as_echo "/* confdefs.h */" > confdefs.h

# Predefined preprocessor variables.

cat >>confdefs.h <<_ACEOF
#define PACKAGE_NAME "$PACKAGE_NAME"
_ACEOF

cat >>confdefs.h <<_ACEOF
#define PACKAGE_TARNAME "$PACKAGE_TARNAME"
_ACEOF

cat >>confdefs.h <<_ACEOF
```

Продолжение листинга 6

```
#define PACKAGE_VERSION "$PACKAGE_VERSION"
_ACEOF

cat >>confdefs.h <<_ACEOF
#define PACKAGE_STRING "$PACKAGE_STRING"
_ACEOF

cat >>confdefs.h <<_ACEOF
#define PACKAGE_BUGREPORT "$PACKAGE_BUGREPORT"
_ACEOF

cat >>confdefs.h <<_ACEOF
#define PACKAGE_URL "$PACKAGE_URL"
_ACEOF

# Let the site file select an alternate cache file if it wants to.
# Prefer an explicitly selected file to automatically selected ones.
ac_site_file1=NONE
ac_site_file2=NONE
if test -n "$CONFIG_SITE"; then
  # We do not want a PATH search for config.site.
  case $CONFIG_SITE in #((
    -*) ac_site_file1=./$CONFIG_SITE;;
    /*) ac_site_file1=$CONFIG_SITE;;
    *) ac_site_file1=./$CONFIG_SITE;;
  esac
elif test "x$prefix" != xNONE; then
  ac_site_file1=$prefix/share/config.site
  ac_site_file2=$prefix/etc/config.site
else
  ac_site_file1=$ac_default_prefix/share/config.site
  ac_site_file2=$ac_default_prefix/etc/config.site
fi
for ac_site_file in "$ac_site_file1" "$ac_site_file2"
do
  test "x$ac_site_file" = xNONE && continue
  if test /dev/null != "$ac_site_file" && test -r "$ac_site_file"; then
    { $as_echo "$as_me:${as_lineno-$LINENO}: loading site script $ac_site_file"
  >&5
  $as_echo "$as_me: loading site script $ac_site_file" >&6;}
```

Продолжение листинга 6

```
sed 's/^/| /' "$ac_site_file" >&5
. "$ac_site_file" \
    || { { $as_echo "$as_me:${as_lineno-$LINENO}: error: in \`$ac_pwd':" >&5
$as_echo "$as_me: error: in \`$ac_pwd':" >&2;}
as_fn_error $? "failed to load site script $ac_site_file
See \`config.log' for more details" "$LINENO" 5; }
fi
done

if test -r "$cache_file"; then
    # Some versions of bash will fail to source /dev/null (special files
    # actually), so we avoid doing that.  DJGPP emulates it as a regular file.
    if test /dev/null != "$cache_file" && test -f "$cache_file"; then
        { $as_echo "$as_me:${as_lineno-$LINENO}: loading cache $cache_file" >&5
$as_echo "$as_me: loading cache $cache_file" >&6;}
        case $cache_file in
            [\\/] * | ?:[\\/] * ) . "$cache_file";;
            *) . "$cache_file";;
        esac
    fi
else
    { $as_echo "$as_me:${as_lineno-$LINENO}: creating cache $cache_file" >&5
$as_echo "$as_me: creating cache $cache_file" >&6;}
    >$cache_file
fi

# Check that the precious variables saved in the cache have kept the same
# value.
ac_cache_corrupted=false
for ac_var in $ac_precious_vars; do
    eval ac_old_set=\$ac_cv_env_${ac_var}_set
    eval ac_new_set=\$ac_env_${ac_var}_set
    eval ac_old_val=\$ac_cv_env_${ac_var}_value
    eval ac_new_val=\$ac_env_${ac_var}_value
    case $ac_old_set,$ac_new_set in
        set, )
            { $as_echo "$as_me:${as_lineno-$LINENO}: error: \`$ac_var' was set to
\`$ac_old_val' in the previous run" >&5
$as_echo "$as_me: error: \`$ac_var' was set to \`$ac_old_val' in the previous run"
>&2;}
            ac_cache_corrupted=: ;;
    esac
done
```


Продолжение листинга 6

```
,set)
    { $as_echo "$as_me:${as_lineno-$LINENO}: error: \`$ac_var' was not set in
the previous run" >&5
$as_echo "$as_me: error: \`$ac_var' was not set in the previous run" >&2;}
    ac_cache_corrupted=: ;;
,);;
*)
    if test "x$ac_old_val" != "x$ac_new_val"; then
    # differences in whitespace do not lead to failure.
    ac_old_val_w=`echo x $ac_old_val`
    ac_new_val_w=`echo x $ac_new_val`
    if test "$ac_old_val_w" != "$ac_new_val_w"; then
        { $as_echo "$as_me:${as_lineno-$LINENO}: error: \`$ac_var' has changed
since the previous run:" >&5
$as_echo "$as_me: error: \`$ac_var' has changed since the previous run:" >&2;}
        ac_cache_corrupted=:
    else
        { $as_echo "$as_me:${as_lineno-$LINENO}: warning: ignoring whitespace
changes in \`$ac_var' since the previous run:" >&5
$as_echo "$as_me: warning: ignoring whitespace changes in \`$ac_var' since the
previous run:" >&2;}
        eval $ac_var=\$ac_old_val
    fi
    { $as_echo "$as_me:${as_lineno-$LINENO}:    former value:  \`$ac_old_val'"
>&5
$as_echo "$as_me:    former value:  \`$ac_old_val'" >&2;}
    { $as_echo "$as_me:${as_lineno-$LINENO}:    current value: \`$ac_new_val'"
>&5
$as_echo "$as_me:    current value: \`$ac_new_val'" >&2;}
    fi;;
esac
# Pass precious variables to config.status.
if test "$ac_new_set" = set; then
    case $ac_new_val in
    *('*) ac_arg=$ac_var=`$as_echo "$ac_new_val" | sed "s/'/'\\\\\\\\\\\\\\\\\\\\\\\\'/g"` ;;
    *) ac_arg=$ac_var=$ac_new_val ;;
    esac
    case " $ac_configure_args " in
    *" '$ac_arg' "*) ;; # Avoid dups.  Use of quotes ensures accuracy.
    *) as_fn_append ac_configure_args " '$ac_arg' " ;;
    esac
esac
```

Продолжение листинга 6

```
fi
done
if $ac_cache_corrupted; then
  { $as_echo "$as_me:${as_lineno-$LINENO}: error: in \`$ac_pwd':" >&5
$as_echo "$as_me: error: in \`$ac_pwd':" >&2;}
  { $as_echo "$as_me:${as_lineno-$LINENO}: error: changes in the environment can
compromise the build" >&5
$as_echo "$as_me: error: changes in the environment can compromise the build"
>&2;}
  as_fn_error $? "run \`make distclean' and/or \`rm $cache_file' and start over"
"$LINENO" 5
fi
## ----- ##
## Main body of script. ##
## ----- ##

ac_ext=c
ac_cpp='$CPP $CPPFLAGS'
ac_compile='$CC -c $CFLAGS $CPPFLAGS conftest.$ac_ext >&5'
ac_link='$CC -o conftest$ac_exeext $CFLAGS $CPPFLAGS $LDFLAGS conftest.$ac_ext
$LIBS >&5'
ac_compiler_gnu=$ac_cv_c_compiler_gnu

ac_config_headers="$ac_config_headers config.h"

# Checks for programs.
ac_ext=c
ac_cpp='$CPP $CPPFLAGS'
ac_compile='$CC -c $CFLAGS $CPPFLAGS conftest.$ac_ext >&5'
ac_link='$CC -o conftest$ac_exeext $CFLAGS $CPPFLAGS $LDFLAGS conftest.$ac_ext
$LIBS >&5'
ac_compiler_gnu=$ac_cv_c_compiler_gnu
if test -n "$ac_tool_prefix"; then
  # Extract the first word of "${ac_tool_prefix}gcc", so it can be a program name
  with args.
  set dummy ${ac_tool_prefix}gcc; ac_word=$2
  { $as_echo "$as_me:${as_lineno-$LINENO}: checking for $ac_word" >&5
$as_echo_n "checking for $ac_word... " >&6; }
```

Продолжение листинга 6

```
if ${ac_cv_prog_CC+:} false; then :
    $as_echo_n "(cached) " >&6
else
    if test -n "$CC"; then
        ac_cv_prog_CC="$CC" # Let the user override the test.
    else
        as_save_IFS=$IFS; IFS=$PATH_SEPARATOR
        for as_dir in $PATH
        do
            IFS=$as_save_IFS
            test -z "$as_dir" && as_dir=.
            for ac_exec_ext in '' $ac_executable_extensions; do
                if as_fn_executable_p "$as_dir/$ac_word$ac_exec_ext"; then
                    ac_cv_prog_CC="${ac_tool_prefix}gcc"
                    $as_echo "$as_me:${as_lineno-$LINENO}: found $as_dir/$ac_word$ac_exec_ext"
                >&5
                    break 2
                fi
            done
        done
        IFS=$as_save_IFS

        fi
        fi
        CC=$ac_cv_prog_CC
        if test -n "$CC"; then
            { $as_echo "$as_me:${as_lineno-$LINENO}: result: $CC" >&5
            $as_echo "$CC" >&6; }
        else
            { $as_echo "$as_me:${as_lineno-$LINENO}: result: no" >&5
            $as_echo "no" >&6; }
        fi

        fi
        if test -z "$ac_cv_prog_CC"; then
            ac_ct_CC=$CC
            # Extract the first word of "gcc", so it can be a program name with args.
            set dummy gcc; ac_word=$2
            { $as_echo "$as_me:${as_lineno-$LINENO}: checking for $ac_word" >&5
            $as_echo_n "checking for $ac_word... " >&6; }
```

Продолжение листинга 6

```
if ${ac_cv_prog_ac_ct_CC+:} false; then :
    $as_echo_n "(cached) " >&6
else
    if test -n "$ac_ct_CC"; then
        ac_cv_prog_ac_ct_CC="$ac_ct_CC" # Let the user override the test.
    else
        as_save_IFS=$IFS; IFS=$PATH_SEPARATOR
        for as_dir in $PATH
        do
            IFS=$as_save_IFS
            test -z "$as_dir" && as_dir=.
            for ac_exec_ext in '' $ac_executable_extensions; do
                if as_fn_executable_p "$as_dir/$ac_word$ac_exec_ext"; then
                    ac_cv_prog_ac_ct_CC="gcc"
                    $as_echo "$as_me:${as_lineno-$LINENO}: found $as_dir/$ac_word$ac_exec_ext"
                >&5
                    break 2
                fi
            done
        done
        IFS=$as_save_IFS

        fi
        fi
        ac_ct_CC=$ac_cv_prog_ac_ct_CC
        if test -n "$ac_ct_CC"; then
            { $as_echo "$as_me:${as_lineno-$LINENO}: result: $ac_ct_CC" >&5
            $as_echo "$ac_ct_CC" >&6; }
        else
            { $as_echo "$as_me:${as_lineno-$LINENO}: result: no" >&5
            $as_echo "no" >&6; }
        fi

        if test "x$ac_ct_CC" = x; then
            CC=""
        else
            case $cross_compiling:$ac_tool_warned in
yes:)
{ $as_echo "$as_me:${as_lineno-$LINENO}: WARNING: using cross tools not prefixed
with host triplet" >&5
$as_echo "$as_me: WARNING: using cross tools not prefixed with host triplet" >&2;}
```

Продолжение листинга 6

```
ac_tool_warned=yes ;;
esac
    CC=$ac_ct_CC
    fi
else
    CC="$ac_cv_prog_CC"
fi

if test -z "$CC"; then
    if test -n "$ac_tool_prefix"; then
        # Extract the first word of "${ac_tool_prefix}cc", so it can be a program name
        with args.
        set dummy ${ac_tool_prefix}cc; ac_word=$2
        { $as_echo "$as_me:${as_lineno-$LINENO}: checking for $ac_word" >&5
        $as_echo_n "checking for $ac_word... " >&6; }
        if ${ac_cv_prog_CC+:} false; then :
            $as_echo_n "(cached) " >&6
        else
            if test -n "$CC"; then
                ac_cv_prog_CC="$CC" # Let the user override the test.
            else
as_save_IFS=$IFS; IFS=$PATH_SEPARATOR
for as_dir in $PATH
do
    IFS=$as_save_IFS
    test -z "$as_dir" && as_dir=.
    for ac_exec_ext in '' $ac_executable_extensions; do
        if as_fn_executable_p "$as_dir/$ac_word$ac_exec_ext"; then
            ac_cv_prog_CC="${ac_tool_prefix}cc"
            $as_echo "$as_me:${as_lineno-$LINENO}: found $as_dir/$ac_word$ac_exec_ext"
            >&5
            break 2
        fi
    done
done
IFS=$as_save_IFS

fi
fi
CC=$ac_cv_prog_CC
if test -n "$CC"; then
```

Продолжение листинга 6

```
{ $as_echo "$as_me:${as_lineno-$LINENO}: result: $CC" >&5
$as_echo "$CC" >&6; }
else
{ $as_echo "$as_me:${as_lineno-$LINENO}: result: no" >&5
$as_echo "no" >&6; }
fi

fi

fi

if test -z "$CC"; then
# Extract the first word of "cc", so it can be a program name with args.
set dummy cc; ac_word=$2
{ $as_echo "$as_me:${as_lineno-$LINENO}: checking for $ac_word" >&5
$as_echo_n "checking for $ac_word... " >&6; }
if ${ac_cv_prog_CC+:} false; then :
$as_echo_n "(cached) " >&6
else
if test -n "$CC"; then
ac_cv_prog_CC="$CC" # Let the user override the test.
else
ac_prog_rejected=no
as_save_IFS=$IFS; IFS=$PATH_SEPARATOR
for as_dir in $PATH
do
IFS=$as_save_IFS
test -z "$as_dir" && as_dir=.
for ac_exec_ext in '' $ac_executable_extensions; do
if as_fn_executable_p "$as_dir/$ac_word$ac_exec_ext"; then
if test "$as_dir/$ac_word$ac_exec_ext" = "/usr/ucb/cc"; then
ac_prog_rejected=yes
continue
fi
ac_cv_prog_CC="cc"
$as_echo "$as_me:${as_lineno-$LINENO}: found $as_dir/$ac_word$ac_exec_ext"
>&5
break 2
fi
done
done
IFS=$as_save_IFS
```

Продолжение листинга 6

```
if test $ac_prog_rejected = yes; then
  # We found a bogon in the path, so make sure we never use it.
  set dummy $ac_cv_prog_CC
  shift
  if test $# != 0; then
    # We chose a different compiler from the bogus one.
    # However, it has the same basename, so the bogon will be chosen
    # first if we set CC to just the basename; use the full file name.
    shift
    ac_cv_prog_CC="$as_dir/$ac_word${1+' '}$@"
  fi
fi
fi
fi
CC=$ac_cv_prog_CC
if test -n "$CC"; then
  { $as_echo "$as_me:${as_lineno-$LINENO}: result: $CC" >&5
$as_echo "$CC" >&6; }
else
  { $as_echo "$as_me:${as_lineno-$LINENO}: result: no" >&5
$as_echo "no" >&6; }
fi

fi
if test -z "$CC"; then
  if test -n "$ac_tool_prefix"; then
    for ac_prog in cl.exe
    do
      # Extract the first word of "$ac_tool_prefix$sac_prog", so it can be a program
      name with args.
      set dummy $ac_tool_prefix$sac_prog; ac_word=$2
      { $as_echo "$as_me:${as_lineno-$LINENO}: checking for $ac_word" >&5
$as_echo_n "checking for $ac_word... " >&6; }
      if ${ac_cv_prog_CC+:} false; then :
        $as_echo_n "(cached) " >&6
      else
        if test -n "$CC"; then
          ac_cv_prog_CC="$CC" # Let the user override the test.
        else
```

Продолжение листинга 6

```
as_save_IFS=$IFS; IFS=$PATH_SEPARATOR
for as_dir in $PATH
do
  IFS=$as_save_IFS
  test -z "$as_dir" && as_dir=.
  for ac_exec_ext in '' $ac_executable_extensions; do
    if as_fn_executable_p "$as_dir/$ac_word$ac_exec_ext"; then
      ac_cv_prog_CC="$ac_tool_prefix$ac_prog"
      $as_echo "$as_me:${as_lineno-$LINENO}: found $as_dir/$ac_word$ac_exec_ext"
    >&5
    break 2
  fi
done
done
IFS=$as_save_IFS

fi
fi
CC=$ac_cv_prog_CC
if test -n "$CC"; then
  { $as_echo "$as_me:${as_lineno-$LINENO}: result: $CC" >&5
  $as_echo "$CC" >&6; }
else
  { $as_echo "$as_me:${as_lineno-$LINENO}: result: no" >&5
  $as_echo "no" >&6; }
fi

  test -n "$CC" && break
done
fi
if test -z "$CC"; then
  ac_ct_CC=$CC
  for ac_prog in cl.exe
do
  # Extract the first word of "$ac_prog", so it can be a program name with args.
  set dummy $ac_prog; ac_word=$2
  { $as_echo "$as_me:${as_lineno-$LINENO}: checking for $ac_word" >&5
  $as_echo_n "checking for $ac_word... " >&6; }
  if ${ac_cv_prog_ac_ct_CC+:} false; then :
    $as_echo_n "(cached) " >&6
```


Продолжение листинга 6

```
else
    if test -n "$ac_ct_CC"; then
        ac_cv_prog_ac_ct_CC="$ac_ct_CC" # Let the user override the test.
    else
as_save_IFS=$IFS; IFS=$PATH_SEPARATOR
for as_dir in $PATH
do
    IFS=$as_save_IFS
    test -z "$as_dir" && as_dir=.
    for ac_exec_ext in '' $ac_executable_extensions; do
        if as_fn_executable_p "$as_dir/$ac_word$ac_exec_ext"; then
            ac_cv_prog_ac_ct_CC="$ac_prog"
            $as_echo "$as_me:${as_lineno-$LINENO}: found $as_dir/$ac_word$ac_exec_ext"
>&5
            break 2
        fi
    done
done
IFS=$as_save_IFS

fi
fi
ac_ct_CC=$ac_cv_prog_ac_ct_CC
if test -n "$ac_ct_CC"; then
    { $as_echo "$as_me:${as_lineno-$LINENO}: result: $ac_ct_CC" >&5
$as_echo "$ac_ct_CC" >&6; }
else
    { $as_echo "$as_me:${as_lineno-$LINENO}: result: no" >&5
$as_echo "no" >&6; }
fi

    test -n "$ac_ct_CC" && break
done

    if test "x$ac_ct_CC" = x; then
        CC=""
    else
        case $cross_compiling:$ac_tool_warned in
yes:)
```

Продолжение листинга 6

```
{ $as_echo "$as_me:${as_lineno-$LINENO}: WARNING: using cross tools not prefixed
with host triplet" >&5
$as_echo "$as_me: WARNING: using cross tools not prefixed with host triplet" >&2;}
ac_tool_warned=yes ;;
esac
    CC=$ac_ct_CC
    fi
fi

fi

test -z "$CC" && { { $as_echo "$as_me:${as_lineno-$LINENO}: error: in \`$ac_pwd':"
>&5
$as_echo "$as_me: error: in \`$ac_pwd':" >&2;}
as_fn_error $? "no acceptable C compiler found in $PATH
See \`config.log' for more details" "$LINENO" 5; }

# Provide some information about the compiler.
$as_echo "$as_me:${as_lineno-$LINENO}: checking for C compiler version" >&5
set X $ac_compile
ac_compiler=$2
for ac_option in --version -v -V -qversion; do
    { { ac_try="$ac_compiler $ac_option >&5"
case "($ac_try" in
    *\"* | *\\* | *\\*) ac_try_echo=\`$ac_try`;
    *) ac_try_echo=$ac_try;;
esac
eval ac_try_echo="\"$as_me:${as_lineno-$LINENO}: $ac_try_echo\""
$as_echo "$ac_try_echo"; } >&5
    (eval "$ac_compiler $ac_option >&5") 2>conftest.err
    ac_status=$?
    if test -s conftest.err; then
        sed '10a\
... rest of stderr output deleted ...
        10q' conftest.err >conftest.er1
        cat conftest.er1 >&5
    fi
    rm -f conftest.er1 conftest.err
    $as_echo "$as_me:${as_lineno-$LINENO}: \`$? = $ac_status" >&5
    test $ac_status = 0; }
```

Продолжение листинга 6

```
done

cat confdefs.h - <<_ACEOF >conftest.$ac_ext
/* end confdefs.h. */

int
main ()
{

    ;
    return 0;
}
_ACEOF
ac_clean_files_save=$ac_clean_files
ac_clean_files="$ac_clean_files a.out a.out.dSYM a.exe b.out"
# Try to create an executable without -o first, disregard a.out.
# It will help us diagnose broken compilers, and finding out an intuition
# of exeext.
{ $as_echo "$as_me:${as_lineno-$LINENO}: checking whether the C compiler works"
>&5
$as_echo_n "checking whether the C compiler works... " >&6; }
ac_link_default=`$as_echo "$ac_link" | sed 's/ -o *conftest[^\ ]*//'\`

# The possible output files:
ac_files="a.out conftest.exe conftest a.exe a_out.exe b.out conftest.*"

ac_rmfiles=
for ac_file in $ac_files
do
    case $ac_file in
        *.$ac_ext | *.xcoff | *.tds | *.d | *.pdb | *.xSYM | *.bb | *.bbg | *.map |
*.inf | *.dSYM | *.o | *.obj ) ;;
        * ) ac_rmfiles="$ac_rmfiles $ac_file";;
    esac
done
rm -f $ac_rmfiles

if { { ac_try="$ac_link_default"
case "($ac_try" in
    *\ " | *\`* | *\`*) ac_try_echo=\$ac_try;;
    *) ac_try_echo=$ac_try;;
```

Продолжение листинга 6

```
esac
eval ac_try_echo="\\"$as_me:${as_lineno-$LINENO}: $ac_try_echo\"
$as_echo "$ac_try_echo"; } >&5
  (eval "$ac_link_default") 2>&5
  ac_status=$?
  $as_echo "$as_me:${as_lineno-$LINENO}: \${?} = $ac_status" >&5
  test $ac_status = 0; }; then :
    # Autoconf-2.13 could set the ac_cv_exeext variable to `no'.
    # So ignore a value of `no', otherwise this would lead to `EXEEXT = no'
    # in a Makefile. We should not override ac_cv_exeext if it was cached,
    # so that the user can short-circuit this test for compilers unknown to
    # Autoconf.
    for ac_file in $ac_files ''
    do
      test -f "$ac_file" || continue
      case $ac_file in
        *.$ac_ext | *.xcoff | *.tds | *.d | *.pdb | *.xSYM | *.bb | *.bbg | *.map |
        *.inf | *.dSYM | *.o | *.obj )
          ;;
        [ab].out )
          # We found the default executable, but exeext='' is most
          # certainly right.
          break;;
        *.* )
          if test "${ac_cv_exeext+set}" = set && test "$ac_cv_exeext" != no;
          then ;; else
            ac_cv_exeext=`expr "$ac_file" : '[^.]*(\..*)'`
          fi
          # We set ac_cv_exeext here because the later test for it is not
          # safe: cross compilers may not add the suffix if given an `-o'
          # argument, so we may need to know it at that point already.
          # Even if this section looks crufty: it has the advantage of
          # actually working.
          break;;
        * )
          break;;
      esac
    done
    test "$ac_cv_exeext" = no && ac_cv_exeext=

else
```

Продолжение листинга 6

```
    ac_file=''
fi
if test -z "$ac_file"; then :
    { $as_echo "$as_me:${as_lineno-$LINENO}: result: no" >&5
$as_echo "no" >&6; }
$as_echo "$as_me: failed program was:" >&5
sed 's/^/| /' conftest.$ac_ext >&5

{ { $as_echo "$as_me:${as_lineno-$LINENO}: error: in `\$ac_pwd':" >&5
$as_echo "$as_me: error: in `\$ac_pwd':" >&2;}
as_fn_error 77 "C compiler cannot create executables
See `config.log' for more details" "$LINENO" 5; }
else
    { $as_echo "$as_me:${as_lineno-$LINENO}: result: yes" >&5
$as_echo "yes" >&6; }
fi
{ $as_echo "$as_me:${as_lineno-$LINENO}: checking for C compiler default output
file name" >&5
$as_echo_n "checking for C compiler default output file name... " >&6; }
{ $as_echo "$as_me:${as_lineno-$LINENO}: result: $ac_file" >&5
$as_echo "$ac_file" >&6; }
ac_exeext=$ac_cv_exeext

rm -f -r a.out a.out.dSYM a.exe conftest$ac_cv_exeext b.out
ac_clean_files=$ac_clean_files_save
{ $as_echo "$as_me:${as_lineno-$LINENO}: checking for suffix of executables" >&5
$as_echo_n "checking for suffix of executables... " >&6; }
if { { ac_try="$ac_link"
case "($ac_try" in
  *\"* | *\\* | *\\*) ac_try_echo=\$ac_try;;
  *) ac_try_echo=$ac_try;;
esac
eval ac_try_echo=\"\$as_me:${as_lineno-$LINENO}: \$ac_try_echo\"
$as_echo "$ac_try_echo"; } >&5
    (eval "$ac_link") 2>&5
    ac_status=$?
    $as_echo "$as_me:${as_lineno-$LINENO}: \$? = $ac_status" >&5
    test $ac_status = 0; }; then :
    # If both `conftest.exe' and `conftest' are `present' (well, observable)
    # catch `conftest.exe'. For instance with Cygwin, `ls conftest' will
    # work properly (i.e., refer to `conftest.exe'), while it won't with
```

Продолжение листинга 6

```
# `rm'.
for ac_file in conftest.exe conftest conftest.*; do
  test -f "$ac_file" || continue
  case $ac_file in
    *.$ac_ext | *.xcoff | *.tds | *.d | *.pdb | *.xSYM | *.bb | *.bbg | *.map |
    *.inf | *.dSYM | *.o | *.obj ) ;;
    *.* ) ac_cv_exeext=`expr "$ac_file" : '[^.]*\(\..*\)'`
        break;;
    * ) break;;
  esac
done
else
  { { $as_echo "$as_me:${as_lineno-$LINENO}: error: in \`$ac_pwd':" >&5
$as_echo "$as_me: error: in \`$ac_pwd':" >&2;}
as_fn_error $? "cannot compute suffix of executables: cannot compile and link
See \`config.log' for more details" "$LINENO" 5; }
fi
rm -f conftest conftest$ac_cv_exeext
{ $as_echo "$as_me:${as_lineno-$LINENO}: result: $ac_cv_exeext" >&5
$as_echo "$ac_cv_exeext" >&6; }

rm -f conftest.$ac_ext
EXEEXT=$ac_cv_exeext
ac_exeext=$EXEEXT
cat confdefs.h - <<_ACEOF >conftest.$ac_ext
/* end confdefs.h. */
#include <stdio.h>
int
main ()
{
FILE *f = fopen ("conftest.out", "w");
return ferror (f) || fclose (f) != 0;

;
return 0;
}
_ACEOF
ac_clean_files="$ac_clean_files conftest.out"
# Check that the compiler produces executables we can run.  If not, either
# the compiler is broken, or we cross compile.
```

Продолжение листинга 6

```
{ $as_echo "$as_me:${as_lineno-$LINENO}: checking whether we are cross compiling"
>&5
$as_echo_n "checking whether we are cross compiling... " >&6; }
if test "$cross_compiling" != yes; then
  { { ac_try="$ac_link"
case "($ac_try" in
  *\"* | *\\`* | *\\`*) ac_try_echo=\$ac_try;;
  *) ac_try_echo=$ac_try;;
esac
eval ac_try_echo=\"\`$as_me:${as_lineno-$LINENO}: $ac_try_echo\""
$as_echo "$ac_try_echo"; } >&5
  (eval "$ac_link") 2>&5
  ac_status=$?
  $as_echo "$as_me:${as_lineno-$LINENO}: \`$? = $ac_status" >&5
  test $ac_status = 0; }
  if { ac_try='./conftest$ac_cv_exeext'
  { { case "($ac_try" in
    *\"* | *\\`* | *\\`*) ac_try_echo=\$ac_try;;
    *) ac_try_echo=$ac_try;;
  esac
eval ac_try_echo=\"\`$as_me:${as_lineno-$LINENO}: $ac_try_echo\""
$as_echo "$ac_try_echo"; } >&5
    (eval "$ac_try") 2>&5
    ac_status=$?
    $as_echo "$as_me:${as_lineno-$LINENO}: \`$? = $ac_status" >&5
    test $ac_status = 0; }; }; then
    cross_compiling=no
  else
    if test "$cross_compiling" = maybe; then
      cross_compiling=yes
    else
      { { $as_echo "$as_me:${as_lineno-$LINENO}: error: in \`$ac_pwd':" >&5
$as_echo "$as_me: error: in \`$ac_pwd':" >&2;}
as_fn_error $? "cannot run C compiled programs.
If you meant to cross compile, use \`--host'.
See \`config.log' for more details" "$LINENO" 5; }
    fi
  fi
fi
fi
{ $as_echo "$as_me:${as_lineno-$LINENO}: result: $cross_compiling" >&5
$as_echo "$cross_compiling" >&6; }
```

Продолжение листинга 6

```
rm -f conftest.$ac_ext conftest$sac_cv_exeext conftest.out
ac_clean_files=$ac_clean_files_save
{ $as_echo "$as_me:${as_lineno-$LINENO}: checking for suffix of object files" >&5
$as_echo_n "checking for suffix of object files... " >&6; }
if ${ac_cv_objext+:} false; then :
  $as_echo_n "(cached) " >&6
else
  cat confdefs.h - <<_ACEOF >conftest.$ac_ext
/* end confdefs.h. */

int
main ()
{

  ;
  return 0;
}
_ACEOF
rm -f conftest.o conftest.obj
if { { ac_try="$ac_compile"
case "($ac_try" in
  *\"* | *\\`* | *\\`*) ac_try_echo=\"$ac_try;;
  *) ac_try_echo=$ac_try;;
esac
eval ac_try_echo=\"`\$as_me:${as_lineno-$LINENO}: $ac_try_echo\"
$as_echo \"$ac_try_echo"; } >&5
  (eval "$ac_compile") 2>&5
  ac_status=$?
  $as_echo "$as_me:${as_lineno-$LINENO}: \`$? = $ac_status" >&5
  test $ac_status = 0; }; then :
  for ac_file in conftest.o conftest.obj conftest.*; do
  test -f "$ac_file" || continue;
  case $ac_file in
    *.$ac_ext | *.xcoff | *.tds | *.d | *.pdb | *.xSYM | *.bb | *.bbg | *.map |
*.inf | *.dSYM ) ;;
    *) ac_cv_objext=`expr "$ac_file" : '.*\\.\\(.*\\)'`
      break;;
  esac
done
else
```


Продолжение листинга 6

```
$as_echo "$as_me: failed program was:" >&5
sed 's/^/| /' conftest.$ac_ext >&5

{ { $as_echo "$as_me:${as_lineno-$LINENO}: error: in \`$ac_pwd':" >&5
$as_echo "$as_me: error: in \`$ac_pwd':" >&2;}
as_fn_error $? "cannot compute suffix of object files: cannot compile
See \`config.log' for more details" "$LINENO" 5; }
fi
rm -f conftest.$ac_cv_objext conftest.$ac_ext
fi
{ $as_echo "$as_me:${as_lineno-$LINENO}: result: $ac_cv_objext" >&5
$as_echo "$ac_cv_objext" >&6; }
OBJEXT=$ac_cv_objext
ac_objext=$OBJEXT
{ $as_echo "$as_me:${as_lineno-$LINENO}: checking whether we are using the GNU C
compiler" >&5
$as_echo_n "checking whether we are using the GNU C compiler... " >&6; }
if ${ac_cv_c_compiler_gnu+:} false; then :
  $as_echo_n "(cached) " >&6
else
  cat confdefs.h - <<_ACEOF >conftest.$ac_ext
/* end confdefs.h. */

int
main ()
{
#ifdef __GNUC__
    choke me
#endif

    ;
    return 0;
}
_ACEOF
if ac_fn_c_try_compile "$LINENO"; then :
  ac_compiler_gnu=yes
else
  ac_compiler_gnu=no
fi
rm -f core conftest.err conftest.$ac_objext conftest.$ac_ext
ac_cv_c_compiler_gnu=$ac_compiler_gnu
```

Продолжение листинга 6

```
fi
{ $as_echo "$as_me:${as_lineno-$LINENO}: result: $ac_cv_c_compiler_gnu" >&5
$as_echo "$ac_cv_c_compiler_gnu" >&6; }
if test $ac_compiler_gnu = yes; then
    GCC=yes
else
    GCC=
fi
ac_test_CFLAGS=${CFLAGS+set}
ac_save_CFLAGS=$CFLAGS
{ $as_echo "$as_me:${as_lineno-$LINENO}: checking whether $CC accepts -g" >&5
$as_echo_n "checking whether $CC accepts -g... " >&6; }
if ${ac_cv_prog_cc_g+:} false; then :
    $as_echo_n "(cached) " >&6
else
    ac_save_c_werror_flag=$ac_c_werror_flag
    ac_c_werror_flag=yes
    ac_cv_prog_cc_g=no
    CFLAGS="-g"
    cat confdefs.h - <<_ACEOF >conftest.$ac_ext
/* end confdefs.h. */

int
main ()
{

    ;
    return 0;
}
_ACEOF
if ac_fn_c_try_compile "$LINENO"; then :
    ac_cv_prog_cc_g=yes
else
    CFLAGS=""
    cat confdefs.h - <<_ACEOF >conftest.$ac_ext
/* end confdefs.h. */

int
main ()
{
```

Продолжение листинга 6

```
    ;
    return 0;
}
_ACEOF
if ac_fn_c_try_compile "$LINENO"; then :

else
    ac_c_werror_flag=$ac_save_c_werror_flag
    CFLAGS="-g"
    cat confdefs.h - <<_ACEOF >conftest.$ac_ext
/* end confdefs.h. */

int
main ()
{

    ;
    return 0;
}
_ACEOF
if ac_fn_c_try_compile "$LINENO"; then :
    ac_cv_prog_cc_g=yes
fi
rm -f core conftest.err conftest.$ac_objext conftest.$ac_ext
fi
rm -f core conftest.err conftest.$ac_objext conftest.$ac_ext
fi
rm -f core conftest.err conftest.$ac_objext conftest.$ac_ext
    ac_c_werror_flag=$ac_save_c_werror_flag
fi
{ $as_echo "$as_me:${as_lineno-$LINENO}: result: $ac_cv_prog_cc_g" >&5
$as_echo "$ac_cv_prog_cc_g" >&6; }
if test "$ac_test_CFLAGS" = set; then
    CFLAGS=$ac_save_CFLAGS
elif test $ac_cv_prog_cc_g = yes; then
    if test "$GCC" = yes; then
        CFLAGS="-g -O2"
    else
        CFLAGS="-g"
    fi
fi
```

Продолжение листинга 6

```
else
    if test "$GCC" = yes; then
        CFLAGS="-O2"
    else
        CFLAGS=
    fi
fi
{ $as_echo "$as_me:${as_lineno-$LINENO}: checking for $CC option to accept ISO
C89" >&5
$as_echo_n "checking for $CC option to accept ISO C89... " >&6; }
if ${ac_cv_prog_cc_c89+:} false; then :
    $as_echo_n "(cached) " >&6
else
    ac_cv_prog_cc_c89=no
ac_save_CC=$CC
cat confdefs.h - <<_ACEOF >conftest.$ac_ext
/* end confdefs.h. */
#include <stdarg.h>
#include <stdio.h>
struct stat;
/* Most of the following tests are stolen from RCS 5.7's src/conf.sh. */
struct buf { int x; };
FILE * (*rcsopen) (struct buf *, struct stat *, int);
static char *e (p, i)
    char **p;
    int i;
{
    return p[i];
}
static char *f (char * (*g) (char **, int), char **p, ...)
{
    char *s;
    va_list v;
    va_start (v,p);
    s = g (p, va_arg (v,int));
    va_end (v);
    return s;
}

/* OSF 4.0 Compaq cc is some sort of almost-ANSI by default.  It has
function prototypes and stuff, but not '\xHH' hex character constants.
```

Продолжение листинга 6

```
These don't provoke an error unfortunately, instead are silently treated
as 'x'. The following induces an error, until -std is added to get
proper ANSI mode. Curiously '\x00'!='x' always comes out true, for an
array size at least. It's necessary to write '\x00'==0 to get something
that's true only with -std. */
int osf4_cc_array ['\x00' == 0 ? 1 : -1];

/* IBM C 6 for AIX is almost-ANSI by default, but it replaces macro parameters
inside strings and character constants. */
#define FOO(x) 'x'
int xlc6_cc_array[FOO(a) == 'x' ? 1 : -1];

int test (int i, double x);
struct s1 {int (*f) (int a);};
struct s2 {int (*f) (double a);};
int pairnames (int, char **, FILE *(*)(struct buf *, struct stat *, int), int,
int);
int argc;
char **argv;
int
main ()
{
return f (e, argv, 0) != argv[0] || f (e, argv, 1) != argv[1];
;
return 0;
}
_ACEOF
for ac_arg in ' -qlanglvl=extc89 -qlanglvl=ansi -std \
-Ae "-Aa -D_HPUX_SOURCE" "-Xc -D__EXTENSIONS__"
do
CC="$ac_save_CC $ac_arg"
if ac_fn_c_try_compile "$LINENO"; then :
ac_cv_prog_cc_c89=$ac_arg
fi
rm -f core conftest.err conftest.$ac_objext
test "x$ac_cv_prog_cc_c89" != "xno" && break
done
rm -f conftest.$ac_ext
CC=$ac_save_CC

fi
```

Продолжение листинга 6

```
# AC_CACHE_VAL
case "x$sac_cv_prog_cc_c89" in
  x)
    { $as_echo "$as_me:${as_lineno-$LINENO}: result: none needed" >&5
$as_echo "none needed" >&6; } ;;
  xno)
    { $as_echo "$as_me:${as_lineno-$LINENO}: result: unsupported" >&5
$as_echo "unsupported" >&6; } ;;
  *)
    CC="$CC $sac_cv_prog_cc_c89"
    { $as_echo "$as_me:${as_lineno-$LINENO}: result: $sac_cv_prog_cc_c89" >&5
$as_echo "$sac_cv_prog_cc_c89" >&6; } ;;
esac
if test "x$sac_cv_prog_cc_c89" != xno; then :

fi

ac_ext=c
ac_cpp='$CPP $CPPFLAGS'
ac_compile='$CC -c $CFLAGS $CPPFLAGS conftest.$ac_ext >&5'
ac_link='$CC -o conftest$sac_exeext $CFLAGS $CPPFLAGS $LDFLAGS conftest.$ac_ext
$LIBS >&5'
ac_compiler_gnu=$sac_cv_c_compiler_gnu

# Checks for libraries.
# FIXME: Replace `main' with a function in `-lm':

{ $as_echo "$as_me:${as_lineno-$LINENO}: checking for main in -lm" >&5
$as_echo_n "checking for main in -lm... " >&6; }
if ${ac_cv_lib_m_main+:} false; then :
  $as_echo_n "(cached) " >&6
else
  ac_check_lib_save_LIBS=$LIBS
LIBS="-lm $LIBS"
cat confdefs.h - <<_ACEOF >conftest.$ac_ext
/* end confdefs.h. */

int
main ()
```

Продолжение листинга 6

```
{
return main ();

;
return 0;
}
_ACEOF
if ac_fn_c_try_link "$LINENO"; then :
    ac_cv_lib_m_main=yes
else
    ac_cv_lib_m_main=no
fi
rm -f core conftest.err conftest.$ac_objext \
    conftest$ac_exeext conftest.$ac_ext
LIBS=$ac_check_lib_save_LIBS
fi
{ $as_echo "$as_me:${as_lineno-$LINENO}: result: $ac_cv_lib_m_main" >&5
$as_echo "$ac_cv_lib_m_main" >&6; }
if test "x$ac_cv_lib_m_main" = xyes; then :
    cat >>confdefs.h <<_ACEOF
#define HAVE_LIBM 1
_ACEOF

    LIBS="-lm $LIBS"

fi

# Checks for header files.
ac_ext=c
ac_cpp='$CPP $CPPFLAGS'
ac_compile='$CC -c $CFLAGS $CPPFLAGS conftest.$ac_ext >&5'
ac_link='$CC -o conftest$ac_exeext $CFLAGS $CPPFLAGS $LDFLAGS conftest.$ac_ext
$LIBS >&5'
ac_compiler_gnu=$ac_cv_c_compiler_gnu
{ $as_echo "$as_me:${as_lineno-$LINENO}: checking how to run the C preprocessor"
>&5
$as_echo_n "checking how to run the C preprocessor... " >&6; }
# On Suns, sometimes $CPP names a directory.
if test -n "$CPP" && test -d "$CPP"; then
    CPP=
fi
```

Продолжение листинга 6

```
if test -z "$CPP"; then
    if ${ac_cv_prog_CPP+:} false; then :
        $as_echo_n "(cached) " >&6
    else
        # Double quotes because CPP needs to be expanded
        for CPP in "$CC -E" "$CC -E -traditional-cpp" "/lib/cpp"
        do
            ac_preproc_ok=false
        for ac_c_preproc_warn_flag in ' ' yes
        do
            # Use a header file that comes with gcc, so configuring glibc
            # with a fresh cross-compiler works.
            # Prefer <limits.h> to <assert.h> if __STDC__ is defined, since
            # <limits.h> exists even on freestanding compilers.
            # On the NeXT, cc -E runs the code through the compiler's parser,
            # not just through cpp. "Syntax error" is here to catch this case.
            cat confdefs.h - <<_ACEOF >conftest.$ac_ext
/* end confdefs.h. */
#ifdef __STDC__
# include <limits.h>
#else
# include <assert.h>
#endif

                Syntax error

        _ACEOF
        if ac_fn_c_try_cpp "$LINENO"; then :

        else
            # Broken: fails on valid input.
            continue
        fi
        rm -f conftest.err conftest.i conftest.$ac_ext

            # OK, works on sane cases. Now check whether nonexistent headers
            # can be detected and how.
            cat confdefs.h - <<_ACEOF >conftest.$ac_ext
/* end confdefs.h. */
#include <ac_nonexistent.h>
        _ACEOF
        if ac_fn_c_try_cpp "$LINENO"; then :

            # Broken: success on invalid input.
```


Продолжение листинга 6

```
continue
else
    # Passes both tests.
ac_preproc_ok=:
break
fi

rm -f conftest.err conftest.i conftest.$ac_ext

done
# Because of `break', _AC_PREPROC_IFELSE's cleaning code was skipped.
rm -f conftest.i conftest.err conftest.$ac_ext
if $ac_preproc_ok; then :
    break
fi

done
ac_cv_prog_CPP=$CPP

fi
CPP=$ac_cv_prog_CPP
else
    ac_cv_prog_CPP=$CPP
fi
{ $as_echo "$as_me:${as_lineno-$LINENO}: result: $CPP" >&5
$as_echo "$CPP" >&6; }
ac_preproc_ok=false
for ac_c_preproc_warn_flag in '' yes
do
    # Use a header file that comes with gcc, so configuring glibc
    # with a fresh cross-compiler works.
    # Prefer <limits.h> to <assert.h> if __STDC__ is defined, since
    # <limits.h> exists even on freestanding compilers.
    # On the NeXT, cc -E runs the code through the compiler's parser,
    # not just through cpp. "Syntax error" is here to catch this case.
    cat confdefs.h - <<_ACEOF >conftest.$ac_ext
/* end confdefs.h. */
#ifdef __STDC__
# include <limits.h>
#else
# include <assert.h>
#endif
```

Продолжение листинга 6

Syntax error

```
_ACEOF
if ac_fn_c_try_cpp "$LINENO"; then :

else
    # Broken: fails on valid input.
    continue
fi
rm -f conftest.err conftest.i conftest.$ac_ext

    # OK, works on sane cases.  Now check whether nonexistent headers
    # can be detected and how.
    cat confdefs.h - <<_ACEOF >conftest.$ac_ext
/* end confdefs.h. */
#include <ac_nonexistent.h>
_ACEOF
if ac_fn_c_try_cpp "$LINENO"; then :
    # Broken: success on invalid input.
    continue
else
    # Passes both tests.
    ac_preproc_ok=:
    break
fi
rm -f conftest.err conftest.i conftest.$ac_ext

done
# Because of `break', _AC_PREPROC_IFELSE's cleaning code was skipped.
rm -f conftest.i conftest.err conftest.$ac_ext
if $ac_preproc_ok; then :

else
    { { $as_echo "$as_me:${as_lineno-$LINENO}: error: in \`$ac_pwd':" >&5
$as_echo "$as_me: error: in \`$ac_pwd':" >&2;}
as_fn_error $? "C preprocessor \"$CPP\" fails sanity check
See \`config.log' for more details" "$LINENO" 5; }
fi

ac_ext=c
ac_cpp='$CPP $CPPFLAGS'
ac_compile='$CC -c $CFLAGS $CPPFLAGS conftest.$ac_ext >&5'
```

Продолжение листинга 6

```
ac_link='$CC -o conftest$sac_exeext $CFLAGS $CPPFLAGS $LDFLAGS conftest.$sac_ext
$LIBS >&5'
ac_compiler_gnu=$ac_cv_c_compiler_gnu

{ $as_echo "$as_me:${as_lineno-$LINENO}: checking for grep that handles long lines
and -e" >&5
$as_echo_n "checking for grep that handles long lines and -e... " >&6; }
if ${ac_cv_path_GREP+:} false; then :
  $as_echo_n "(cached) " >&6
else
  if test -z "$GREP"; then
    ac_path_GREP_found=false
    # Loop through the user's path and test for each of PROGMAME-LIST
    as_save_IFS=$IFS; IFS=$PATH_SEPARATOR
    for as_dir in $PATH$PATH_SEPARATOR/usr/xpg4/bin
    do
      IFS=$as_save_IFS
      test -z "$as_dir" && as_dir=.
      for ac_prog in grep ggrep; do
        for ac_exec_ext in '' $ac_executable_extensions; do
          ac_path_GREP="$as_dir/$ac_prog$sac_exec_ext"
          as_fn_executable_p "$ac_path_GREP" || continue
        done
        # Check for GNU ac_path_GREP and select it if it is found.
        # Check for GNU $ac_path_GREP
        case `"$ac_path_GREP" --version 2>&1` in
          *GNU*)
            ac_cv_path_GREP="$ac_path_GREP" ac_path_GREP_found=:;;
          *)
            ac_count=0
            $as_echo_n 0123456789 >"conftest.in"
            while :
            do
              cat "conftest.in" "conftest.in" >"conftest.tmp"
              mv "conftest.tmp" "conftest.in"
              cp "conftest.in" "conftest.nl"
              $as_echo 'GREP' >> "conftest.nl"
              "$ac_path_GREP" -e 'GREP$' -e '-(cannot match)-' < "conftest.nl"
              >"conftest.out" 2>/dev/null || break
              diff "conftest.out" "conftest.nl" >/dev/null 2>&1 || break
              as_fn_arith $ac_count + 1 && ac_count=$as_val
            done
          ;;
        esac
      done
    done
  fi
fi
```

Продолжение листинга 6

```
    if test $ac_count -gt ${ac_path_GREP_max-0}; then
        # Best one so far, save it but keep looking for a better one
        ac_cv_path_GREP="$ac_path_GREP"
        ac_path_GREP_max=$ac_count
    fi

    # 10*(2^10) chars as input seems more than enough
    test $ac_count -gt 10 && break
done
rm -f conftest.in conftest.tmp conftest.nl conftest.out;;
esac

    $ac_path_GREP_found && break 3
done
done
done
IFS=$as_save_IFS
if test -z "$ac_cv_path_GREP"; then
    as_fn_error $? "no acceptable grep could be found in
$PATH$PATH_SEPARATOR/usr/xpg4/bin" "$LINENO" 5
fi
else
    ac_cv_path_GREP=$GREP
fi

fi

{ $as_echo "$as_me:${as_lineno-$LINENO}: result: $ac_cv_path_GREP" >&5
$as_echo "$ac_cv_path_GREP" >&6; }
GREP="$ac_cv_path_GREP"

{ $as_echo "$as_me:${as_lineno-$LINENO}: checking for egrep" >&5
$as_echo_n "checking for egrep... " >&6; }
if ${ac_cv_path_EGREP+:} false; then :
    $as_echo_n "(cached) " >&6
else
    if echo a | $GREP -E '(a|b)' >/dev/null 2>&1
    then ac_cv_path_EGREP="$GREP -E"
    else
        if test -z "$EGREP"; then
            ac_path_EGREP_found=false
        # Loop through the user's path and test for each of PROGNAMES_LIST
```

Продолжение листинга 6

```
as_save_IFS=$IFS; IFS=$PATH_SEPARATOR
for as_dir in $PATH$PATH_SEPARATOR/usr/xpg4/bin
do
  IFS=$as_save_IFS
  test -z "$as_dir" && as_dir=.
  for ac_prog in egrep; do
    for ac_exec_ext in '' $ac_executable_extensions; do
      ac_path_EGREP="$as_dir/$ac_prog$ac_exec_ext"
      as_fn_executable_p "$ac_path_EGREP" || continue
# Check for GNU ac_path_EGREP and select it if it is found.
# Check for GNU $ac_path_EGREP
case `"$ac_path_EGREP" --version 2>&1` in
*GNU*)
  ac_cv_path_EGREP="$ac_path_EGREP" ac_path_EGREP_found=;;;
*)
  ac_count=0
  $as_echo_n 0123456789 >"conftest.in"
  while :
  do
    cat "conftest.in" "conftest.in" >"conftest.tmp"
    mv "conftest.tmp" "conftest.in"
    cp "conftest.in" "conftest.nl"
    $as_echo 'EGREP' >> "conftest.nl"
    "$ac_path_EGREP" 'EGREP$' < "conftest.nl" >"conftest.out" 2>/dev/null || break
    diff "conftest.out" "conftest.nl" >/dev/null 2>&1 || break
    as_fn_arith $ac_count + 1 && ac_count=$as_val
    if test $ac_count -gt ${ac_path_EGREP_max-0}; then
      # Best one so far, save it but keep looking for a better one
      ac_cv_path_EGREP="$ac_path_EGREP"
      ac_path_EGREP_max=$ac_count
    fi
    # 10*(2^10) chars as input seems more than enough
    test $ac_count -gt 10 && break
  done
  rm -f conftest.in conftest.tmp conftest.nl conftest.out;;
esac

  $ac_path_EGREP_found && break 3
done
done
done
```

Продолжение листинга 6

```
IFS=$as_save_IFS
  if test -z "$ac_cv_path_EGREP"; then
    as_fn_error $? "no acceptable egrep could be found in
$PATH$PATH_SEPARATOR/usr/xpg4/bin" "$LINENO" 5
  fi
else
  ac_cv_path_EGREP=$EGREP
fi

  fi
fi
{ $as_echo "$as_me:${as_lineno-$LINENO}: result: $ac_cv_path_EGREP" >&5
$as_echo "$ac_cv_path_EGREP" >&6; }
EGREP="$ac_cv_path_EGREP"

{ $as_echo "$as_me:${as_lineno-$LINENO}: checking for ANSI C header files" >&5
$as_echo_n "checking for ANSI C header files... " >&6; }
if ${ac_cv_header_stdcl+:} false; then :
  $as_echo_n "(cached) " >&6
else
  cat confdefs.h - <<_ACEOF >conftest.$ac_ext
/* end confdefs.h. */
#include <stdlib.h>
#include <stdarg.h>
#include <string.h>
#include <float.h>

int
main ()
{

  ;
  return 0;
}
_ACEOF
if ac_fn_c_try_compile "$LINENO"; then :
  ac_cv_header_stdcl=yes
else
  ac_cv_header_stdcl=no
fi
```

Продолжение листинга 6

```
rm -f core conftest.err conftest.$ac_objext conftest.$ac_ext

if test $ac_cv_header_stdcl = yes; then
  # SunOS 4.x string.h does not declare mem*, contrary to ANSI.
  cat confdefs.h - <<_ACEOF >conftest.$ac_ext
/* end confdefs.h.  */
#include <string.h>

_ACEOF
if (eval "$ac_cpp conftest.$ac_ext") 2>&5 |
  $EGREP "memchr" >/dev/null 2>&1; then :

else
  ac_cv_header_stdcl=no
fi
rm -f conftest*

fi

if test $ac_cv_header_stdcl = yes; then
  # ISC 2.0.2 stdlib.h does not declare free, contrary to ANSI.
  cat confdefs.h - <<_ACEOF >conftest.$ac_ext
/* end confdefs.h.  */
#include <stdlib.h>

_ACEOF
if (eval "$ac_cpp conftest.$ac_ext") 2>&5 |
  $EGREP "free" >/dev/null 2>&1; then :

else
  ac_cv_header_stdcl=no
fi
rm -f conftest*

fi

if test $ac_cv_header_stdcl = yes; then
  # /bin/cc in Irix-4.0.5 gets non-ANSI ctype macros unless using -ansi.
  if test "$cross_compiling" = yes; then :
  :
else
```

Продолжение листинга 6

```
cat confdefs.h - <<_ACEOF >conftest.$ac_ext
/* end confdefs.h. */
#include <ctype.h>
#include <stdlib.h>
#if ((' ' & 0xFF) == 0x020)
# define ISLOWER(c) ('a' <= (c) && (c) <= 'z')
# define TOUPPER(c) (ISLOWER(c) ? 'A' + ((c) - 'a') : (c))
#else
# define ISLOWER(c) \
    (('a' <= (c) && (c) <= 'i') \
    || ('j' <= (c) && (c) <= 'r') \
    || ('s' <= (c) && (c) <= 'z'))
# define TOUPPER(c) (ISLOWER(c) ? ((c) | 0x40) : (c))
#endif

#define XOR(e, f) (((e) && !(f)) || (!(e) && (f)))
int
main ()
{
    int i;
    for (i = 0; i < 256; i++)
        if (XOR (islower (i), ISLOWER (i))
            || toupper (i) != TOUPPER (i))
            return 2;
    return 0;
}
_ACEOF
if ac_fn_c_try_run "$LINENO"; then :

else
    ac_cv_header_stdcl=no
fi
rm -f core *.core core.conftest.* gmon.out bb.out conftest$ac_exeext \
    conftest.$ac_objext conftest.beam conftest.$ac_ext
fi

fi
fi
{ $as_echo "$as_me:${as_lineno-$LINENO}: result: $ac_cv_header_stdcl" >&5
$as_echo "$ac_cv_header_stdcl" >&6; }
if test $ac_cv_header_stdcl = yes; then
```


Продолжение листинга 6

```
$as_echo "#define STDC_HEADERS 1" >>confdefs.h

fi

# On IRIX 5.3, sys/types and inttypes.h are conflicting.
for ac_header in sys/types.h sys/stat.h stdlib.h string.h memory.h strings.h \
    inttypes.h stdint.h unistd.h
do :
    as_ac_Header=`$as_echo "ac_cv_header_$ac_header" | $as_tr_sh`
    ac_fn_c_check_header_compile "$LINENO" "$ac_header" "$as_ac_Header"
    "$ac_includes_default"
    "
    if eval test \"x\$$as_ac_Header\" = x\"yes\"; then :
        cat >>confdefs.h <<_ACEOF
#define ` $as_echo "HAVE_$ac_header" | $as_tr_cpp` 1
_ACEOF

    fi

done

for ac_header in inttypes.h netinet/in.h stdlib.h string.h sys/socket.h unistd.h
do :
    as_ac_Header=`$as_echo "ac_cv_header_$ac_header" | $as_tr_sh`
    ac_fn_c_check_header_mongrel "$LINENO" "$ac_header" "$as_ac_Header"
    "$ac_includes_default"
    if eval test \"x\$$as_ac_Header\" = x\"yes\"; then :
        cat >>confdefs.h <<_ACEOF
#define ` $as_echo "HAVE_$ac_header" | $as_tr_cpp` 1
_ACEOF

    fi

done

# Checks for typedefs, structures, and compiler characteristics.
{ $as_echo "$as_me:${as_lineno-$LINENO}: checking for stdbool.h that conforms to
C99" >&5
```

Продолжение листинга 6

```
$as_echo_n "checking for stdbool.h that conforms to C99... " >&6; }
if ${ac_cv_header_stdbool_h+:} false; then :
  $as_echo_n "(cached) " >&6
else
  cat confdefs.h - <<_ACEOF >conftest.$ac_ext
/* end confdefs.h.  */

#include <stdbool.h>
#ifndef bool
  "error: bool is not defined"
#endif
#ifndef false
  "error: false is not defined"
#endif
#if false
  "error: false is not 0"
#endif
#ifndef true
  "error: true is not defined"
#endif
#if true != 1
  "error: true is not 1"
#endif
#ifndef __bool_true_false_are_defined
  "error: __bool_true_false_are_defined is not defined"
#endif

struct s { _Bool s: 1; _Bool t; } s;

char a[true == 1 ? 1 : -1];
char b[false == 0 ? 1 : -1];
char c[__bool_true_false_are_defined == 1 ? 1 : -1];
char d[(bool) 0.5 == true ? 1 : -1];
/* See body of main program for 'e'.  */
char f[( _Bool) 0.0 == false ? 1 : -1];
char g[true];
char h[sizeof ( _Bool)];
char i[sizeof s.t];
enum { j = false, k = true, l = false * true, m = true * 256 };
/* The following fails for
   HP aC++/ANSI C B3910B A.05.55 [Dec 04 2003].  */
```

Продолжение листинга 6

```
    _Bool n[m];
    char o[sizeof n == m * sizeof n[0] ? 1 : -1];
    char p[-1 - (_Bool) 0 < 0 && -1 - (bool) 0 < 0 ? 1 : -1];
    /* Catch a bug in an HP-UX C compiler.  See
       http://gcc.gnu.org/ml/gcc-patches/2003-12/msg02303.html
       http://lists.gnu.org/archive/html/bug-coreutils/2005-11/msg00161.html
    */
    _Bool q = true;
    _Bool *pq = &q;

int
main ()
{

    bool e = &s;
    *pq |= q;
    *pq |= ! q;
    /* Refer to every declared value, to avoid compiler optimizations.
    */

    return (!a + !b + !c + !d + !e + !f + !g + !h + !i + !!j + !k + !!l
           + !m + !n + !o + !p + !q + !pq);

    ;
    return 0;
}
_ACEOF
if ac_fn_c_try_compile "$LINENO"; then :
    ac_cv_header_stdbool_h=yes
else
    ac_cv_header_stdbool_h=no
fi
rm -f core conftest.err conftest.$ac_objext conftest.$ac_ext
fi
{ $as_echo "$as_me:${as_lineno-$LINENO}: result: $ac_cv_header_stdbool_h" >&5
$as_echo "$ac_cv_header_stdbool_h" >&6; }
    ac_fn_c_check_type "$LINENO" "_Bool" "ac_cv_type__Bool" "$ac_includes_default"
if test "x$ac_cv_type__Bool" = xyes; then :

cat >>confdefs.h <<_ACEOF
#define HAVE__BOOL 1
```

Продолжение листинга 6

```
_ACEOF

fi

ac_fn_c_find_intX_t "$LINENO" "8" "ac_cv_c_int8_t"
case $ac_cv_c_int8_t in
  no|yes) ;;
  *)

cat >>confdefs.h <<_ACEOF
#define int8_t $ac_cv_c_int8_t
_ACEOF
;;
esac

# Checks for library functions.
for ac_header in stdlib.h
do :
  ac_fn_c_check_header_mongrel "$LINENO" "stdlib.h" "ac_cv_header_stdlib_h"
"$ac_includes_default"
  if test "x$ac_cv_header_stdlib_h" = xyes; then :
    cat >>confdefs.h <<_ACEOF
#define HAVE_STDLIB_H 1
_ACEOF

fi

done

{ $as_echo "$as_me:${as_lineno-$LINENO}: checking for GNU libc compatible malloc"
>&5
$as_echo_n "checking for GNU libc compatible malloc... " >&6; }
if ${ac_cv_func_malloc_0_nonnull+:} false; then :
  $as_echo_n "(cached) " >&6
else
  if test "$cross_compiling" = yes; then :
    ac_cv_func_malloc_0_nonnull=no
  else
```

Продолжение листинга 6

```
cat confdefs.h - <<_ACEOF >conftest.$ac_ext
/* end confdefs.h. */
#if defined STDC_HEADERS || defined HAVE_STDLIB_H
# include <stdlib.h>
#else
char *malloc ();
#endif

int
main ()
{
return ! malloc (0);

;
return 0;
}
_ACEOF
if ac_fn_c_try_run "$LINENO"; then :
ac_cv_func_malloc_0_nonnull=yes
else
ac_cv_func_malloc_0_nonnull=no
fi
rm -f core *.core core.conftest.* gmon.out bb.out conftest$ac_exeext \
conftest.$ac_objext conftest.beam conftest.$ac_ext
fi

fi
{ $as_echo "$as_me:${as_lineno-$LINENO}: result: $ac_cv_func_malloc_0_nonnull"
>&5
$as_echo "$ac_cv_func_malloc_0_nonnull" >&6; }
if test $ac_cv_func_malloc_0_nonnull = yes; then :

$as_echo "#define HAVE_MALLOC 1" >>confdefs.h

else
$as_echo "#define HAVE_MALLOC 0" >>confdefs.h

case " $LIBOBJJS " in
*" malloc.$ac_objext "*" ) ;;
*) LIBOBJJS="$LIBOBJJS malloc.$ac_objext"
;;
;;
esac
```

Продолжение листинга 6

```
$as_echo "#define malloc rpl_malloc" >>confdefs.h

fi

for ac_func in bzero memset socket strtol
do :
    as_ac_var=`$as_echo "ac_cv_func_$ac_func" | $as_tr_sh`
    ac_fn_c_check_func "$LINENO" "$ac_func" "$as_ac_var"
    if eval test \"x\${$as_ac_var}\" = x\"yes\"; then :
        cat >>confdefs.h <<_ACEOF
#define `as_echo "HAVE_$ac_func" | $as_tr_cpp` 1
_ACEOF
    fi
done

ac_config_files=\"$ac_config_files Makefile\"

cat >confcache <<\_ACEOF
# This file is a shell script that caches the results of configure
# tests run on this system so they can be shared between configure
# scripts and configure runs, see configure's option --config-cache.
# It is not useful on other systems.  If it contains results you don't
# want to keep, you may remove or edit it.
#
# config.status only pays attention to the cache file if you give it
# the --recheck option to rerun configure.
#
# `ac_cv_env_foo' variables (set or unset) will be overridden when
# loading this file, other *unset* `ac_cv_foo' will be assigned the
# following values.

_ACEOF

# The following way of writing the cache mishandles newlines in values,
# but we know of no workaround that is simple, portable, and efficient.
# So, we kill variables containing newlines.
```

Продолжение листинга 6

```
# Ultrix sh set writes to stderr and can't be redirected directly,
# and sets the high bit in the cache file unless we assign to the vars.
(
  for ac_var in `(set) 2>&1 | sed -n 's/^\([a-zA-Z_][a-zA-Z0-9_]*\)=.*\/\1/p'`; do
    eval ac_val=\${$ac_var}
    case $ac_val in #(
      *${as_nl}*)
        case $ac_var in #(
          *_cv_*) { $as_echo "$as_me:${as_lineno-$LINENO}: WARNING: cache variable
$ac_var contains a newline" >&5
$as_echo "$as_me: WARNING: cache variable $ac_var contains a newline" >&2;} ;;
          esac
          case $ac_var in #(
            _ | IFS | as_nl) ;; #(
            BASH_ARGV | BASH_SOURCE) eval $ac_var= ;; #(
            *) { eval $ac_var=; unset $ac_var;} ;;
          esac ;;
        esac
      done

      (set) 2>&1 |
        case $as_nl`(ac_space=' '; set) 2>&1` in #(
          *${as_nl}ac_space=\ *)
            # `set' does not quote correctly, so add quotes: double-quote
            # substitution turns \\\ into \, and sed turns \ into \.
            sed -n \
            "s/'/'\\\''/g;
            s/^\([_$_$as_cr_alnum]*_cv_[_$_$as_cr_alnum]*\)=\(.*\)\/\1='\\2'/p"
            ;; #(
          *)
            # `set' quotes correctly as required by POSIX, so do not add quotes.
            sed -n "/^[_$_$as_cr_alnum]*_cv_[_$_$as_cr_alnum]*=/p"
            ;;
          esac |
          sort
        ) |
        sed '
        /^ac_cv_env_/b end
        t clear
        :clear
        s/^\([^\=]*\)=\(.*[{}].*\)$/test "${\1+set}" = set || &/
```

Продолжение листинга 6

```
t end
s/^\[^\=]*\)=\(.*\)\$/\1=${\1=\2}/
:end' >>confcache
if diff "$cache_file" confcache >/dev/null 2>&1; then ;; else
  if test -w "$cache_file"; then
    if test "x$cache_file" != "x/dev/null"; then
      { $as_echo "$as_me:${as_lineno-$LINENO}: updating cache $cache_file" >&5
$as_echo "$as_me: updating cache $cache_file" >&6;}
      if test ! -f "$cache_file" || test -h "$cache_file"; then
        cat confcache >"$cache_file"
      else
        case $cache_file in #(
          /* | ?:* )
            mv -f confcache "$cache_file"$$ &&
            mv -f "$cache_file"$$ "$cache_file" ;; #(
          *)
            mv -f confcache "$cache_file" ;;
        esac
      fi
    fi
  else
    { $as_echo "$as_me:${as_lineno-$LINENO}: not updating unwritable cache
$cache_file" >&5
$as_echo "$as_me: not updating unwritable cache $cache_file" >&6;}
    fi
  fi
fi
rm -f confcache

test "x$prefix" = xNONE && prefix=$ac_default_prefix
# Let make expand exec_prefix.
test "x$exec_prefix" = xNONE && exec_prefix='${prefix}'

DEFS=-DHAVE_CONFIG_H

ac_libobjs=
ac_ltlibobjs=
U=
for ac_i in : $LIBOBJJS; do test "x$ac_i" = x: && continue
  # 1. Remove the extension, and $U if already installed.
  ac_script='s/\$U\././;s/\.o$//;s/\.obj$//'
  ac_i=`$as_echo "$ac_i" | sed "$ac_script"`
```


Продолжение листинга 6

```
# 2. Prepend LIBOBJDIR. When used with automake>=1.10 LIBOBJDIR
# will be set to the directory where LIBOBJJS objects are built.
as_fn_append ac_libobjs " \${LIBOBJDIR}$ac_i\${U.$ac_objext}"
as_fn_append ac_ltlibobjs " \${LIBOBJDIR}$ac_i"'\${U.lo}'
done

LIBOBJJS=$ac_libobjs

LTLIBOBJJS=$ac_ltlibobjs


: "${CONFIG_STATUS=./config.status}"
ac_write_fail=0
ac_clean_files_save=$ac_clean_files
ac_clean_files="$ac_clean_files $CONFIG_STATUS"
{ $as_echo "$as_me:${as_lineno-$LINENO}: creating $CONFIG_STATUS" >&5
$as_echo "$as_me: creating $CONFIG_STATUS" >&6;}
as_write_fail=0
cat >$CONFIG_STATUS <<_ASEOF || as_write_fail=1
#! $SHELL
# Generated by $as_me.
# Run this file to recreate the current configuration.
# Compiler output produced by configure, useful for debugging
# configure, is in config.log if it exists.


debug=false
ac_cs_recheck=false
ac_cs_silent=false


SHELL=\${CONFIG_SHELL-$SHELL}
export SHELL
_ASEOF
cat >>$CONFIG_STATUS <<\_ASEOF || as_write_fail=1
## ----- ##
## M4sh Initialization. ##
## ----- ##


# Be more Bourne compatible
DUALCASE=1; export DUALCASE # for MKS sh
if test -n "${ZSH_VERSION+set}" && (emulate sh) >/dev/null 2>&1; then :
    emulate sh
```

```
NULLCMD=:
# Pre-4.2 versions of Zsh do word splitting on ${1+"$@"}, which
# is contrary to our usage. Disable this feature.
alias -g '${1+"$@"}'='"$@"'
setopt NO_GLOB_SUBST

else
case `(set -o) 2>/dev/null` in #(
    *posix*) :
        set -o posix ;; #(
    *) :
        ;;
esac
fi

as_nl='
'

export as_nl

# Printing a long string crashes Solaris 7 /usr/bin/printf.
as_echo='/////////////////////////////////////////////////////////////////////////////////////////////////////////////////'
as_echo=$as_echo$as_echo$as_echo$as_echo$as_echo
as_echo=$as_echo$as_echo$as_echo$as_echo$as_echo$as_echo
# Prefer a ksh shell builtin over an external printf program on Solaris,
# but without wasting forks for bash or zsh.
if test -z "$BASH_VERSION$ZSH_VERSION" \
    && (test "X`print -r -- $as_echo`" = "X$as_echo") 2>/dev/null; then
    as_echo='print -r --'
    as_echo_n='print -rn --'
elif (test "X`printf %s $as_echo`" = "X$as_echo") 2>/dev/null; then
    as_echo='printf %s\n'
    as_echo_n='printf %s'
else
    if test "X`(/usr/ucb/echo -n -n $as_echo) 2>/dev/null`" = "X-n $as_echo"; then
        as_echo_body='eval /usr/ucb/echo -n "$1$as_nl"'
        as_echo_n='/usr/ucb/echo -n'
    else
        as_echo_body='eval expr "X$1" : "X\\(.*\\)"'
        as_echo_n_body='eval
            arg=$1;
            case $arg in #'
```

Продолжение листинга 6

```
    *"$as_nl"*)
    expr "X$arg" : "X\\(.*\\)$as_nl";
    arg=`expr "X$arg" : ".*$as_nl\\(.*\\)"`;
    esac;
    expr "X$arg" : "X\\(.*\\)" | tr -d "$as_nl"
,

    export as_echo_n_body
    as_echo_n='sh -c $as_echo_n_body as_echo'
fi
export as_echo_body
as_echo='sh -c $as_echo_body as_echo'
fi

# The user is always right.
if test "${PATH_SEPARATOR+set}" != set; then
    PATH_SEPARATOR=:
    (PATH='/bin;/bin'; FPATH=$PATH; sh -c :) >/dev/null 2>&1 && {
        (PATH='/bin:/bin'; FPATH=$PATH; sh -c :) >/dev/null 2>&1 ||
            PATH_SEPARATOR=';'
    }
fi

# IFS
# We need space, tab and new line, in precisely that order. Quoting is
# there to prevent editors from complaining about space-tab.
# (If _AS_PATH_WALK were called with IFS unset, it would disable word
# splitting by setting IFS to empty value.)
IFS=" " $as_nl

# Find who we are. Look in the path if we contain no directory separator.
as_myself=
case $0 in #((
    *[\ \/]* ) as_myself=$0 ;;
    *) as_save_IFS=$IFS; IFS=$PATH_SEPARATOR
    for as_dir in $PATH
    do
        IFS=$as_save_IFS
        test -z "$as_dir" && as_dir=.
        test -r "$as_dir/$0" && as_myself=$as_dir/$0 && break
    done
```

Продолжение листинга 6

```
IFS=$as_save_IFS

;;

esac

# We did not find ourselves, most probably we were run as `sh COMMAND'
# in which case we are not to be found in the path.
if test "x$as_myself" = x; then
    as_myself=$0
fi
if test ! -f "$as_myself"; then
    $as_echo "$as_myself: error: cannot find myself; rerun with an absolute file
name" >&2
    exit 1
fi

# Unset variables that we do not need and which cause bugs (e.g. in
# pre-3.0 UWIN ksh). But do not cause bugs in bash 2.01; the "|| exit 1"
# suppresses any "Segmentation fault" message there. '(' could
# trigger a bug in pdksh 5.2.14.
for as_var in BASH_ENV ENV MAIL MAILPATH
do eval test x\${$as_var+set} = xset \
    && ( (unset $as_var) || exit 1) >/dev/null 2>&1 && unset $as_var || :
done
PS1='$ '
PS2='> '
PS4='+ '

# NLS nuisances.
LC_ALL=C
export LC_ALL
LANGUAGE=C
export LANGUAGE

# CDPATH.
(unset CDPATH) >/dev/null 2>&1 && unset CDPATH

# as_fn_error STATUS ERROR [LINENO LOG_FD]
# -----
# Output "`basename $0`: error: ERROR" to stderr. If LINENO and LOG_FD are
# provided, also output the error to LOG_FD, referencing LINENO. Then exit the
```

Продолжение листинга 6

```
# script with STATUS, using 1 if that was 0.
as_fn_error ()
{
    as_status=$1; test $as_status -eq 0 && as_status=1
    if test "$4"; then
        as_lineno=${as_lineno-"$3"} as_lineno_stack=as_lineno_stack=$as_lineno_stack
        $as_echo "$as_me:${as_lineno-$LINENO}: error: $2" >&$4
    fi
    $as_echo "$as_me: error: $2" >&2
    as_fn_exit $as_status
} # as_fn_error


# as_fn_set_status STATUS
# -----
# Set $? to STATUS, without forking.
as_fn_set_status ()
{
    return $1
} # as_fn_set_status


# as_fn_exit STATUS
# -----
# Exit the shell with STATUS, even in a "trap 0" or "set -e" context.
as_fn_exit ()
{
    set +e
    as_fn_set_status $1
    exit $1
} # as_fn_exit


# as_fn_unset VAR
# -----
# Portably unset VAR.
as_fn_unset ()
{
    { eval $1=; unset $1;}
}
as_unset=as_fn_unset
# as_fn_append VAR VALUE
# -----
```

Продолжение листинга 6

```
# Append the text in VALUE to the end of the definition contained in VAR. Take
# advantage of any shell optimizations that allow amortized linear growth over
# repeated appends, instead of the typical quadratic growth present in naive
# implementations.
if (eval "as_var=1; as_var+=2; test x\$as_var = x12") 2>/dev/null; then :
    eval 'as_fn_append ()
    {
        eval \$1+=\$2
    }'
else
    as_fn_append ()
    {
        eval \$1=\${\$1}\$2
    }
fi # as_fn_append

# as_fn_arith ARG...
# -----
# Perform arithmetic evaluation on the ARGs, and store the result in the
# global $as_val. Take advantage of shells that can avoid forks. The arguments
# must be portable across $(( )) and expr.
if (eval "test \${(( 1 + 1 ))} = 2") 2>/dev/null; then :
    eval 'as_fn_arith ()
    {
        as_val=$(( $* ))
    }'
else
    as_fn_arith ()
    {
        as_val=`expr "$@" || test $? -eq 1`
    }
fi # as_fn_arith

if expr a : '\(a\)' >/dev/null 2>&1 &&
    test "X`expr 00001 : '.*\(...\)`" = X001; then
    as_expr=expr
else
    as_expr=false
fi
```

Продолжение листинга 6

```
if (basename -- /) >/dev/null 2>&1 && test "X`basename -- / 2>&1`" = "X/"; then
    as_basename=basename
else
    as_basename=false
fi

if (as_dir=`dirname -- /` && test "X$as_dir" = X/) >/dev/null 2>&1; then
    as_dirname=dirname
else
    as_dirname=false
fi

as_me=`$as_basename -- "$0" ||
$as_expr X/"$0" : '.*\/\([^\/]*\)/*$' \|| \
    X"$0" : 'X\(/\/\) $' \|| \
    X"$0" : 'X\(/\/\) ' \|| . 2>/dev/null ||
$as_echo X/"$0" |
    sed '/^\.*\/\([^\/]*\)\/*$/ {
        s//\1/
        q
    }
/^X\/\([^\/]*\)$/ {
    s//\1/
    q
}
/^X\/\([^\/]*\)\.*/ {
    s//\1/
    q
}
s/\.*/./; q'`

# Avoid depending upon Character Ranges.
as_cr_letters='abcdefghijklmnopqrstuvwxyz'
as_cr_LETTERS='ABCDEFGHIJKLMNOPQRSTUVWXYZ'
as_cr_Letters=$as_cr_letters$as_cr_LETTERS
as_cr_digits='0123456789'
as_cr_alnum=$as_cr_Letters$as_cr_digits

ECHO_C= ECHO_N= ECHO_T=
case `echo -n x` in #((((
-n*)
```

Продолжение листинга 6

```
case `echo 'xy\c'` in
*c*) ECHO_T='  ';; # ECHO_T is single tab character.
xy)  ECHO_C='\c';;
*)   echo `echo ksh88 bug on AIX 6.1` > /dev/null
      ECHO_T='  ';;
esac;;

*)
  ECHO_N='-n';;
esac

rm -f conf$$ conf$$exe conf$.file
if test -d conf$.dir; then
  rm -f conf$.dir/conf$.file
else
  rm -f conf$.dir
  mkdir conf$.dir 2>/dev/null
fi
if (echo >conf$.file) 2>/dev/null; then
  if ln -s conf$.file conf$ 2>/dev/null; then
    as_ln_s='ln -s'
    # ... but there are two gotchas:
    # 1) On MSYS, both `ln -s file dir' and `ln file dir' fail.
    # 2) DJGPP < 2.04 has no symlinks; `ln -s' creates a wrapper executable.
    # In both cases, we have to default to `cp -pR'.
    ln -s conf$.file conf$.dir 2>/dev/null && test ! -f conf$.exe ||
      as_ln_s='cp -pR'
  elif ln conf$.file conf$ 2>/dev/null; then
    as_ln_s=ln
  else
    as_ln_s='cp -pR'
  fi
else
  as_ln_s='cp -pR'
fi
rm -f conf$$ conf$$exe conf$.dir/conf$.file conf$.file
rmdir conf$.dir 2>/dev/null

# as_fn_mkdir_p
# -----
# Create "$as_dir" as a directory, including parents if necessary.
```


Продолжение листинга 6

```
as_fn_mkdir_p ()
{

    case $as_dir in #(
    -*) as_dir=./$as_dir;;
    esac
    test -d "$as_dir" || eval $as_mkdir_p || {
        as_dirs=
        while ;; do
            case $as_dir in #(
            *'*) as_qdir=`$as_echo "$as_dir" | sed "s/'/'\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\'/g"`;; #'(
            *) as_qdir=$as_dir;;
            esac
            as_dirs="'$as_qdir' $as_dirs"
            as_dir=`$as_dirname -- "$as_dir" ||
$as_expr X"$as_dir" : 'X\(.^[^/]\)\/*[^/][^/]*/*$' \| \
        X"$as_dir" : 'X\(/\/\)[^/]' \| \
        X"$as_dir" : 'X\(/\/\)$' \| \
        X"$as_dir" : 'X\(/\/)' \| . 2>/dev/null ||
$as_echo X"$as_dir" |
        sed '/^X\(.^[^/]\)\\/\/*[^/][^/]*\/*$/ {
            s//\1/
            q
        }
/^X\(\\/\)\)[^/].*/ {
            s//\1/
            q
        }
/^X\(\\/\)\)$/ {
            s//\1/
            q
        }
/^X\(\\/\).*/ {
            s//\1/
            q
        }
        s/.*\/./; q'`
        test -d "$as_dir" && break
    done
    test -z "$as_dirs" || eval "mkdir $as_dirs"
} || test -d "$as_dir" || as_fn_error $? "cannot create directory $as_dir"
```

Продолжение листинга 6

```
} # as_fn_mkdir_p
if mkdir -p . 2>/dev/null; then
    as_mkdir_p='mkdir -p "$as_dir"'
else
    test -d ./-p && rmdir ./-p
    as_mkdir_p=false
fi

# as_fn_executable_p FILE
# -----
# Test if FILE is an executable regular file.
as_fn_executable_p ()
{
    test -f "$1" && test -x "$1"
} # as_fn_executable_p
as_test_x='test -x'
as_executable_p=as_fn_executable_p

# Sed expression to map a string onto a valid CPP name.
as_tr_cpp="eval sed 'y%*$as_cr_letters%P$as_cr_LETTERS%;s%[^_$as_cr_alnum]%_g'"

# Sed expression to map a string onto a valid variable name.
as_tr_sh="eval sed 'y%*+%pp%;s%[^_$as_cr_alnum]%_g'"

exec 6>&1
## ----- ##
## Main body of $CONFIG_STATUS script. ##
## ----- ##
_ACEOF
test $as_write_fail = 0 && chmod +x $CONFIG_STATUS || ac_write_fail=1

cat >>$CONFIG_STATUS <<\_ACEOF || ac_write_fail=1
# Save the log message, to keep $0 and so on meaningful, and to
# report actual input values of CONFIG_FILES etc. instead of their
# values after options handling.
ac_log="
This file was extended by FULL-PACKAGE-NAME $as_me VERSION, which was
```

Продолжение листинга 6

generated by GNU Autoconf 2.69. Invocation command line was

```
CONFIG_FILES      = $CONFIG_FILES
CONFIG_HEADERS    = $CONFIG_HEADERS
CONFIG_LINKS      = $CONFIG_LINKS
CONFIG_COMMANDS   = $CONFIG_COMMANDS
$ $0 $@

on `(hostname || uname -n) 2>/dev/null | sed 1q`
"

_ACEOF

case $ac_config_files in *)
set x $ac_config_files; shift; ac_config_files=$*;
esac

case $ac_config_headers in *)
set x $ac_config_headers; shift; ac_config_headers=$*;
esac

cat >>$CONFIG_STATUS <<_ACEOF || ac_write_fail=1
# Files that config.status was made for.
config_files="$ac_config_files"
config_headers="$ac_config_headers"

_ACEOF

cat >>$CONFIG_STATUS <<\_ACEOF || ac_write_fail=1
ac_cs_usage="\
`$as_me' instantiates files and other configuration actions
from templates according to the current configuration. Unless the files
and actions are specified as TAGs, all are instantiated by default.

Usage: $0 [OPTION]... [TAG]...

-h, --help      print this help, then exit
-V, --version   print version number and configuration settings, then exit
--config        print configuration, then exit
-q, --quiet, --silent
```

Продолжение листинга 6

```
do not print progress messages
-d, --debug      don't remove temporary files
--recheck       update $as_me by reconfiguring in the same conditions
--file=FILE[:TEMPLATE]
                  instantiate the configuration file FILE
--header=FILE[:TEMPLATE]
                  instantiate the configuration header FILE

Configuration files:
$config_files

Configuration headers:
$config_headers

Report bugs to <BUG-REPORT-ADDRESS>."

_ACEOF
cat >>$CONFIG_STATUS <<_ACEOF || ac_write_fail=1
ac_cs_config="`$as_echo          "$ac_configure_args"   | sed 's/^ //'
s/[\\"\"\\`\\$]/\\\\&/g`"
ac_cs_version="\\
FULL-PACKAGE-NAME config.status VERSION
configured by $0, generated by GNU Autoconf 2.69,
  with options `\"$ac_cs_config\""

Copyright (C) 2012 Free Software Foundation, Inc.
This config.status script is free software; the Free Software Foundation
gives unlimited permission to copy, distribute and modify it."

ac_pwd='$ac_pwd'
srcdir='$srcdir'
test -n "$AWK" || AWK=awk
_ACEOF

cat >>$CONFIG_STATUS <<\_ACEOF || ac_write_fail=1
# The default lists apply if the user does not specify any file.
ac_need_defaults=:
while test $# != 0
do
  case $1 in
    --*=?*)
```

Продолжение листинга 6

```
ac_option=`expr "X$1" : 'X\[^\=]*\)= '`
ac_optarg=`expr "X$1" : 'X\[^\=]*=\ (.*)' ``
ac_shift=:
;;
--*=)
ac_option=`expr "X$1" : 'X\[^\=]*\)= '`
ac_optarg=
ac_shift=:
;;
*)
ac_option=$1
ac_optarg=$2
ac_shift=shift
;;
esac

case $ac_option in
# Handling of the options.
--recheck | --recheck | --recheck | --reche | --rech | --rec | --re | --r)
    ac_cs_recheck=: ;;
--version | --versio | --versi | --vers | --ver | --ve | --v | -V )
    $as_echo "$ac_cs_version"; exit ;;
--config | --confi | --conf | --con | --co | --c )
    $as_echo "$ac_cs_config"; exit ;;
--debug | --debu | --deb | --de | --d | -d )
    debug=: ;;
--file | --fil | --fi | --f )
    $ac_shift
    case $ac_optarg in
        *\') ac_optarg=`$as_echo "$ac_optarg" | sed "s/'/'\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\'/g"` ;;
        ')) as_fn_error $? "missing file argument" ;;
    esac
    as_fn_append CONFIG_FILES " '$ac_optarg'"
    ac_need_defaults=false;;
--header | --heade | --head | --hea )
    $ac_shift
    case $ac_optarg in
        *\') ac_optarg=`$as_echo "$ac_optarg" | sed "s/'/'\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\'/g"` ;;
    esac
    as_fn_append CONFIG_HEADERS " '$ac_optarg'"
    ac_need_defaults=false;;
```

Продолжение листинга 6

```
--he | --h)
    # Conflict between --help and --header
    as_fn_error $? "ambiguous option: \`$1'
Try \`$0 --help' for more information." ;;
--help | --hel | -h )
    $as_echo "$ac_cs_usage"; exit ;;
-q | -quiet | --quiet | --quie | --qui | --qu | --q \
| -silent | --silent | --silen | --sile | --sil | --si | --s)
    ac_cs_silent=: ;;

# This is an error.
-*) as_fn_error $? "unrecognized option: \`$1'
Try \`$0 --help' for more information." ;;

*) as_fn_append ac_config_targets " $1"
    ac_need_defaults=false ;;

esac
shift
done

ac_configure_extra_args=

if $ac_cs_silent; then
    exec 6>/dev/null
    ac_configure_extra_args="$ac_configure_extra_args --silent"
fi

_ACEOF
cat >>$CONFIG_STATUS <<_ACEOF || ac_write_fail=1
if \${ac_cs_recheck}; then
    set X $SHELL '$0' $ac_configure_args \
    $ac_configure_extra_args --no-create --
no-recursion
    shift
    \${as_echo} "running CONFIG_SHELL=$SHELL \$*" >&6
    CONFIG_SHELL='$SHELL'
    export CONFIG_SHELL
    exec "\$@"
fi

_ACEOF
```

Продолжение листинга 6

```
cat >>$CONFIG_STATUS <<\_ACEOF || ac_write_fail=1
exec 5>>config.log
{
    echo
    sed 'h;s/./-/g;s/^.../## /;s/...$/ ##/;p;x;p;x' <<_ASBOX
## Running $as_me. ##
_ASBOX
    $as_echo "$ac_log"
} >&5

_ACEOF
cat >>$CONFIG_STATUS <<\_ACEOF || ac_write_fail=1
_ACEOF

cat >>$CONFIG_STATUS <<\_ACEOF || ac_write_fail=1

# Handling of arguments.
for ac_config_target in $ac_config_targets
do
    case $ac_config_target in
        "config.h") CONFIG_HEADERS="$CONFIG_HEADERS config.h" ;;
        "Makefile") CONFIG_FILES="$CONFIG_FILES Makefile" ;;

        *) as_fn_error $? "invalid argument: \`$ac_config_target'" "$LINENO" 5;;
    esac
done

# If the user did not use the arguments to specify the items to instantiate,
# then the envvar interface is used. Set only those that are not.
# We use the long form for the default assignment because of an extremely
# bizarre bug on SunOS 4.1.3.
if $ac_need_defaults; then
    test "${CONFIG_FILES+set}" = set || CONFIG_FILES=$config_files
    test "${CONFIG_HEADERS+set}" = set || CONFIG_HEADERS=$config_headers
fi

# Have a temporary directory for convenience. Make it in the build tree
# simply because there is no reason against having it here, and in addition,
# creating and moving files from /tmp can sometimes cause problems.
# Hook for its removal unless debugging.
```

Продолжение листинга 6

```
# Note that there is a small window in which the directory will not be cleaned:
# after its creation but before its name has been assigned to `$tmp`.
$debug ||
{
    tmp= ac_tmp=
    trap 'exit_status=$?
: "${ac_tmp:= $tmp}"
{ test ! -d "$ac_tmp" || rm -fr "$ac_tmp"; } && exit $exit_status
' 0
    trap 'as_fn_exit 1' 1 2 13 15
}
# Create a (secure) tmp directory for tmp files.

{
    tmp=`(umask 077 && mktemp -d "./confXXXXXX") 2>/dev/null` &&
    test -d "$tmp"
} ||
{
    tmp=./conf$$-$RANDOM
    (umask 077 && mkdir "$tmp")
} || as_fn_error $? "cannot create a temporary directory in ." "$LINENO" 5
ac_tmp=$tmp

# Set up the scripts for CONFIG_FILES section.
# No need to generate them if there are no CONFIG_FILES.
# This happens for instance with `./config.status config.h'.
if test -n "$CONFIG_FILES"; then

ac_cr=`echo X | tr X '\015'`
# On cygwin, bash can eat \r inside `` if the user requested igncr.
# But we know of no other shell where ac_cr would be empty at this
# point, so we can use a bashism as a fallback.
if test "x$ac_cr" = x; then
    eval ac_cr=\$\`\\r\`
fi
ac_cs_awk_cr=`$AWK 'BEGIN { print "a\rb" }' </dev/null 2>/dev/null`
if test "$ac_cs_awk_cr" = "a${ac_cr}b"; then
    ac_cs_awk_cr='\r'
else
    ac_cs_awk_cr=$ac_cr
```


Продолжение листинга 6

```
fi

echo 'BEGIN {' >"$ac_tmp/subs1.awk" &&
_ACEOF

{
    echo "cat >conf$$subs.awk <<_ACEOF" &&
    echo "$ac_subst_vars" | sed 's/.*/&!!$&$ac_delim/' &&
    echo "_ACEOF"
} >conf$$subs.sh ||
    as_fn_error $? "could not make $CONFIG_STATUS" "$LINENO" 5
ac_delim_num=`echo "$ac_subst_vars" | grep -c '^`
ac_delim='%!_!# '
for ac_last_try in false false false false false ;; do
    . ./conf$$subs.sh ||
        as_fn_error $? "could not make $CONFIG_STATUS" "$LINENO" 5

    ac_delim_n=`sed -n "s/.*$ac_delim$/X/p" conf$$subs.awk | grep -c X`
    if test $ac_delim_n = $ac_delim_num; then
        break
    elif $ac_last_try; then
        as_fn_error $? "could not make $CONFIG_STATUS" "$LINENO" 5
    else
        ac_delim="$ac_delim!$ac_delim_$ac_delim!! "
    fi
done
rm -f conf$$subs.sh

cat >>$CONFIG_STATUS <<_ACEOF || ac_write_fail=1
cat >>"$ac_tmp/subs1.awk" <<\_ACAWK &&
_ACEOF
sed -n '
h
s/^/S["/; s/!.*"/]=/
p
g
s/^[^!]*!//
:repl
t repl
s/'"$ac_delim"'$//
```

Продолжение листинга 6

```
t delim
:nl
h
s/\(.\\{148\\}\\)\\.*/\1/
t more1
s/["\\]/\\&/g; s/^"/; s/$/\\n"\\
p
n
b repl
:more1
s/["\\]/\\&/g; s/^"/; s/$/"\\
p
g
s/\\.\\{148\\}//
t nl
:delim
h
s/\(.\\{148\\}\\)\\.*/\1/
t more2
s/["\\]/\\&/g; s/^"/; s/$/"
p
b
:more2
s/["\\]/\\&/g; s/^"/; s/$/"\\
p
g
s/\\.\\{148\\}//
t delim
' <conf$$subs.awk | sed '
/^[^"]/{
    N
    s/\n//
}
' >>$CONFIG_STATUS || ac_write_fail=1
rm -f conf$$subs.awk
cat >>$CONFIG_STATUS <<_ACEOF || ac_write_fail=1
_ACAWK
cat >>"$ac_tmp/subs1.awk" <<_ACAWK &&
    for (key in S) S_is_set[key] = 1
    FS = "
"
```

Продолжение листинга 6

```
}
{
    line = $ 0
    nfields = split(line, field, "@")
    substeds = 0
    len = length(field[1])
    for (i = 2; i < nfields; i++) {
        key = field[i]
        keylen = length(key)
        if (S_is_set[key]) {
            value = S[key]
            line = substr(line, 1, len) "" value "" substr(line, len + keylen + 3)
            len += length(value) + length(field[++i])
            substeds = 1
        } else
            len += 1 + keylen
    }

    print line
}

_ACAWK
_ACEOF
cat >>$CONFIG_STATUS <<\_ACEOF || ac_write_fail=1
if sed "s/$ac_cr//" < /dev/null > /dev/null 2>&1; then
    sed "s/$ac_cr\\$//; s/$ac_cr/$ac_cs_awk_cr/g"
else
    cat
fi < "$ac_tmp/subs1.awk" > "$ac_tmp/subs.awk" \
    || as_fn_error $? "could not setup config files machinery" "$LINENO" 5
_ACEOF

# VPATH may cause trouble with some makes, so we remove sole $(srcdir),
# ${srcdir} and @srcdir@ entries from VPATH if srcdir is ".", strip leading and
# trailing colons and then remove the whole line if VPATH becomes empty
# (actually we leave an empty line to preserve line numbers).
if test "x$srcdir" = x.; then
    ac_vpsub='/^[ ]*VPATH[ ]*=[ ]*/{'
h
s///
```

Продолжение листинга 6

```
s/^:/
s/[ ]*$:/
s/:\$(srcdir):/:/g
s/:\${srcdir}:/:/g
s/:@srcdir@:/:/g
s/^:*/
s/:*$//

x
s/\(=[ ]*\)\.*/\1/
G
s/\n//
s/^[^=]*=[ ]*$//
}'
fi

cat >>$CONFIG_STATUS <<\_ACEOF || ac_write_fail=1
fi # test -n "$CONFIG_FILES"

# Set up the scripts for CONFIG_HEADERS section.
# No need to generate them if there are no CONFIG_HEADERS.
# This happens for instance with `./config.status Makefile'.
if test -n "$CONFIG_HEADERS"; then
cat >"$ac_tmp/defines.awk" <<\_ACAWK ||
BEGIN {
\_ACEOF

# Transform confdefs.h into an awk script `defines.awk', embedded as
# here-document in config.status, that substitutes the proper values into
# config.h.in to produce config.h.

# Create a delimiter string that does not exist in confdefs.h, to ease
# handling of long lines.
ac_delim='%!_!# '
for ac_last_try in false false ;; do
  ac_tt=`sed -n "/$ac_delim/p" confdefs.h`
  if test -z "$ac_tt"; then
    break
  elif $ac_last_try; then
    as_fn_error $? "could not make $CONFIG_HEADERS" "$LINENO" 5
  else
    ac_delim="$ac_delim!$ac_delim _$ac_delim!! "
```

Продолжение листинга 6

```
fi
done

# For the awk script, D is an array of macro values keyed by name,
# likewise P contains macro parameters if any. Preserve backslash
# newline sequences.

ac_word_re=[_${sas_cr_Letters}][_${sas_cr_alnum}]*
sed -n '
s/{148\}/&'"$ac_delim"'/g
t rset
:rset
s/^[\ ]*#[\ ]*define[\ ][\ ]*/ /
t def
d
:def
s/\$//
t bsnl
s/["\\]/\\&/g
s/^ \("$ac_word_re"\)\(((^())*)\)[\ ]*\(.*\)/P["\1"]="\2"\
D["\1"]=" \3"/p
s/^ \("$ac_word_re"\)[\ ]*\(.*\)/D["\1"]=" \2"/p
d
:bsnl
s/["\\]/\\&/g
s/^ \("$ac_word_re"\)\(((^())*)\)[\ ]*\(.*\)/P["\1"]="\2"\
D["\1"]=" \3\\\\"n"/p
t cont
s/^ \("$ac_word_re"\)[\ ]*\(.*\)/D["\1"]=" \2\\\\"n"/p
t cont
d
:cont
n
s/{148\}/&'"$ac_delim"'/g
t clear
:clear
s/\$//
t bsnlc
s/["\\]/\\&/g; s/^"/; s/$"/p
d
:bsnlc
```

Продолжение листинга 6

```
s/["\\]/\\&/g; s/^"/;/ s/$/\\\\\\\\\\n"\\//p
b cont
' <confdefs.h | sed '
s/["$ac_delim"]/"\\
"/g' >>$CONFIG_STATUS || ac_write_fail=1

cat >>$CONFIG_STATUS <<_ACEOF || ac_write_fail=1
  for (key in D) D_is_set[key] = 1
  FS = "
"
}
/^[\\t ]*#[\\t ]*(define|undef)[\\t ]+${ac_word_re}([\\t (]|\\$)/ {
  line = \\$ 0
  split(line, arg, " ")
  if (arg[1] == "#") {
    defundef = arg[2]
    mac1 = arg[3]
  } else {
    defundef = substr(arg[1], 2)
    mac1 = arg[2]
  }
  split(mac1, mac2, "(") #)
  macro = mac2[1]
  prefix = substr(line, 1, index(line, defundef) - 1)
  if (D_is_set[macro]) {
    # Preserve the white space surrounding the "#".
    print prefix "define", macro P[macro] D[macro]
    next
  } else {
    # Replace #undef with comments. This is necessary, for example,
    # in the case of _POSIX_SOURCE, which is predefined and required
    # on some systems where configure will not decide to define it.
    if (defundef == "undef") {
      print "/*", prefix defundef, macro, "*/"
      next
    }
  }
}
{ print }
_ACAWK
_ACEOF
```

Продолжение листинга 6

```
cat >>$CONFIG_STATUS <<\_ACEOF || ac_write_fail=1
  as_fn_error $? "could not setup config headers machinery" "$LINENO" 5
fi # test -n "$CONFIG_HEADERS"

eval set X " :F $CONFIG_FILES :H $CONFIG_HEADERS "
shift
for ac_tag
do
  case $ac_tag in
    :[FHL]) ac_mode=$ac_tag; continue;;
  esac
  case $ac_mode$ac_tag in
    :[FHL]*:*) ;;
    :L* | :C*:*) as_fn_error $? "invalid tag \`$ac_tag'" "$LINENO" 5;;
    :[FH]-) ac_tag=-:-;;
    :[FH]*) ac_tag=$ac_tag:$ac_tag.in;;
  esac
  ac_save_IFS=$IFS
  IFS=:
  set x $ac_tag
  IFS=$ac_save_IFS
  shift
  ac_file=$1
  shift

  case $ac_mode in
    :L) ac_source=$1;;
    :[FH])
      ac_file_inputs=
      for ac_f
      do
        case $ac_f in
          -) ac_f="$ac_tmp/stdin";;
          *) # Look for the file first in the build tree, then in the source tree
             # (if the path is not absolute). The absolute path cannot be DOS-style,
             # because $ac_f cannot contain `:'.
             test -f "$ac_f" ||
               case $ac_f in
                 [\\/$]*) false;;
                 *) test -f "$srcdir/$ac_f" && ac_f="$srcdir/$ac_f";;
               esac
            ;;
        esac
      done
    ;;
  esac
done
```

Продолжение листинга 6

```
        esac ||
        as_fn_error 1 "cannot find input file: \`$ac_f'" "$LINENO" 5;;
    esac
    case $ac_f in *) ac_f=`$as_echo "$ac_f" | sed "s/'/'\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\'/g"`;; esac
    as_fn_append ac_file_inputs " '$ac_f'"
done

# Let's still pretend it is `configure' which instantiates (i.e., don't
# use $as_me), people would be surprised to read:
# /* config.h.  Generated by config.status.  */
configure_input='Generated from '`
    $as_echo "$*" | sed 's|^[^:]*||;s|:[^:]*|/, |g'
    ` by configure.'
if test x"$ac_file" != x-; then
    configure_input="$ac_file. $configure_input"
    { $as_echo "$as_me:${as_lineno-$LINENO}: creating $ac_file" >&5
$as_echo "$as_me: creating $ac_file" >&6;}
fi
# Neutralize special characters interpreted by sed in replacement strings.
case $configure_input in #(
*\&* | *\\|* | *\\)* )
    ac_sed_conf_input=`$as_echo "$configure_input" |
    sed 's/[\\\\\\\\&|]/\\\\\\\\&/g'`;; #(
*) ac_sed_conf_input=$configure_input;;
esac

case $ac_tag in
*:-:* | *:-) cat >"$ac_tmp/stdin" \
    || as_fn_error $? "could not create $ac_file" "$LINENO" 5 ;;
esac

;;
esac

ac_dir=`$as_dirname -- "$ac_file" ||
$as_expr X"$ac_file" : 'X\(.*[^/]\)/[^/]*/*$' \|| \
    X"$ac_file" : 'X\(//\)[^/]' \|| \
    X"$ac_file" : 'X\(//\)$' \|| \
    X"$ac_file" : 'X\(/\)' \|| . 2>/dev/null ||
$as_echo X"$ac_file" |
    sed '/^X\(.*[^/]\)/\|\/.*[^/]\(.*\)/\|
s//\1/
```


Продолжение листинга 6

```

        q
    }
    /^X\(\\\/\\\/) [^/].*/{
        s//\1/
        q
    }
    /^X\(\\\/\\\/) ${}/{
        s//\1/
        q
    }
    /^X\(\\\/) .*/{
        s//\1/
        q
    }
    s/.*\/./; q'`
as_dir="$ac_dir"; as_fn_mkdir_p
ac_builddir=.

case "$ac_dir" in
.) ac_dir_suffix= ac_top_builddir_sub=. ac_top_build_prefix= ;;
*)
    ac_dir_suffix=`$as_echo "$ac_dir" | sed 's|^\.([\\\/])||'`
    # A "." for each directory in $ac_dir_suffix.
    ac_top_builddir_sub=`$as_echo "$ac_dir_suffix" | sed 's|/[^\[\]\/]*|/..|g;s|/||'`
    case $ac_top_builddir_sub in
    "") ac_top_builddir_sub=. ac_top_build_prefix= ;;
    *) ac_top_build_prefix=$ac_top_builddir_sub/ ;;
    esac ;;
esac
ac_abs_top_builddir=$ac_pwd
ac_abs_builddir=$ac_pwd$ac_dir_suffix
# for backward compatibility:
ac_top_builddir=$ac_top_build_prefix

case $srcdir in
.) # We are building in place.
    ac_srcdir=.
    ac_top_srcdir=$ac_top_builddir_sub
    ac_abs_top_srcdir=$ac_pwd ;;
[\\\/]* | ?::[\\\/]* ) # Absolute name.
    ac_srcdir=$srcdir$ac_dir_suffix;

```

Продолжение листинга 6

```
ac_top_srcdir=$srcdir
ac_abs_top_srcdir=$srcdir ;;
*) # Relative name.
ac_srcdir=$ac_top_build_prefix$srcdir$ac_dir_suffix
ac_top_srcdir=$ac_top_build_prefix$srcdir
ac_abs_top_srcdir=$ac_pwd/$srcdir ;;
esac
ac_abs_srcdir=$ac_abs_top_srcdir$ac_dir_suffix

case $ac_mode in
:F)
#
# CONFIG_FILE
#

_ACEOF

cat >>$CONFIG_STATUS <<\_ACEOF || ac_write_fail=1
# If the template does not know about datarootdir, expand it.
# FIXME: This hack should be removed a few years after 2.60.
ac_datarootdir_hack=; ac_datarootdir_seen=
ac_sed_dataroot='
/datarootdir/ {
  p
  q
}
/@datadir@/p
/@docdir@/p
/@infodir@/p
/@localedir@/p
/@mandir@/p'
case `eval "sed -n \"\$ac_sed_dataroot\" \$ac_file_inputs"` in
*datarootdir*) ac_datarootdir_seen=yes;;
*@datadir@*|*@docdir@*|*@infodir@*|*@localedir@*|*@mandir@*)
  { $as_echo "$as_me:${as_lineno-$LINENO}: WARNING: $ac_file_inputs seems to
ignore the --datarootdir setting" >&5
$as_echo "$as_me: WARNING: $ac_file_inputs seems to ignore the --datarootdir
setting" >&2;}
_ACEOF
cat >>$CONFIG_STATUS <<\_ACEOF || ac_write_fail=1
```

Продолжение листинга 6

```
ac_datarootdir_hack='
s&@datadir@&$datadir&g
s&@docdir@&$docdir&g
s&@infodir@&$infodir&g
s&@localedir@&$localedir&g
s&@mandir@&$mandir&g
s&\\\${datarootdir}&$datarootdir&g' ;;
esac
_ACEOF

# Neutralize VPATH when `srcdir' = `.'.
# Shell code in configure.ac might set extrasub.
# FIXME: do we really want to maintain this feature?
cat >>$CONFIG_STATUS <<_ACEOF || ac_write_fail=1
ac_sed_extra="$ac_vpsub
$extrasub
_ACEOF
cat >>$CONFIG_STATUS <<\_ACEOF || ac_write_fail=1
:t
/[@[a-zA-Z_][a-zA-Z_0-9]*@/!b
s|@configure_input@|${ac_sed_conf_input}|;t t
s&@top_builddir@&$ac_top_builddir_sub&;t t
s&@top_build_prefix@&$ac_top_build_prefix&;t t
s&@srcdir@&$ac_srcdir&;t t
s&@abs_srcdir@&$ac_abs_srcdir&;t t
s&@top_srcdir@&$ac_top_srcdir&;t t
s&@abs_top_srcdir@&$ac_abs_top_srcdir&;t t
s&@builddir@&$ac_builddir&;t t
s&@abs_builddir@&$ac_abs_builddir&;t t
s&@abs_top_builddir@&$ac_abs_top_builddir&;t t
$ac_datarootdir_hack
"
eval sed \"\$ac_sed_extra\" \"$ac_file_inputs\" | $AWK -f \"$ac_tmp/subs.awk\" \
>$ac_tmp/out || as_fn_error $? "could not create $ac_file" "$LINENO" 5

test -z "$ac_datarootdir_hack$ac_datarootdir_seen" &&
{ ac_out=`sed -n '/\${datarootdir}/p' "$ac_tmp/out"`; test -n "$ac_out"; } &&
{ ac_out=`sed -n '/^[ ]*datarootdir[ ]*:/p' \
"$ac_tmp/out"`; test -z "$ac_out"; } &&
{ $as_echo "$as_me:${as_lineno-$LINENO}: WARNING: $ac_file contains a reference
to the variable `datarootdir'
```

Продолжение листинга 6

```
which seems to be undefined. Please make sure it is defined" >&5
$as_echo "$as_me: WARNING: $ac_file contains a reference to the variable
\`datarootdir\'
which seems to be undefined. Please make sure it is defined" >&2;}

rm -f "$ac_tmp/stdin"
case $ac_file in
-) cat "$ac_tmp/out" && rm -f "$ac_tmp/out";;
*) rm -f "$ac_file" && mv "$ac_tmp/out" "$ac_file";;
esac \
|| as_fn_error $? "could not create $ac_file" "$LINENO" 5
;;

:H)
#
# CONFIG_HEADER
#
if test x"$ac_file" != x-; then
{
$as_echo "/* $configure_input */" \
&& eval '$AWK -f "$ac_tmp/defines.awk"' "$ac_file_inputs"
} >"$ac_tmp/config.h" \
|| as_fn_error $? "could not create $ac_file" "$LINENO" 5
if diff "$ac_file" "$ac_tmp/config.h" >/dev/null 2>&1; then
{ $as_echo "$as_me:${as_lineno-$LINENO}: $ac_file is unchanged" >&5
$as_echo "$as_me: $ac_file is unchanged" >&6;}
else
rm -f "$ac_file"
mv "$ac_tmp/config.h" "$ac_file" \
|| as_fn_error $? "could not create $ac_file" "$LINENO" 5
fi
else
$as_echo "/* $configure_input */" \
&& eval '$AWK -f "$ac_tmp/defines.awk"' "$ac_file_inputs" \
|| as_fn_error $? "could not create -" "$LINENO" 5
fi
;;

esac

done # for ac_tag
```

Окончание листинга 6

```
as_fn_exit 0
_ACEOF
ac_clean_files=$ac_clean_files_save

test $ac_write_fail = 0 ||
  as_fn_error $? "write failure creating $CONFIG_STATUS" "$LINENO" 5

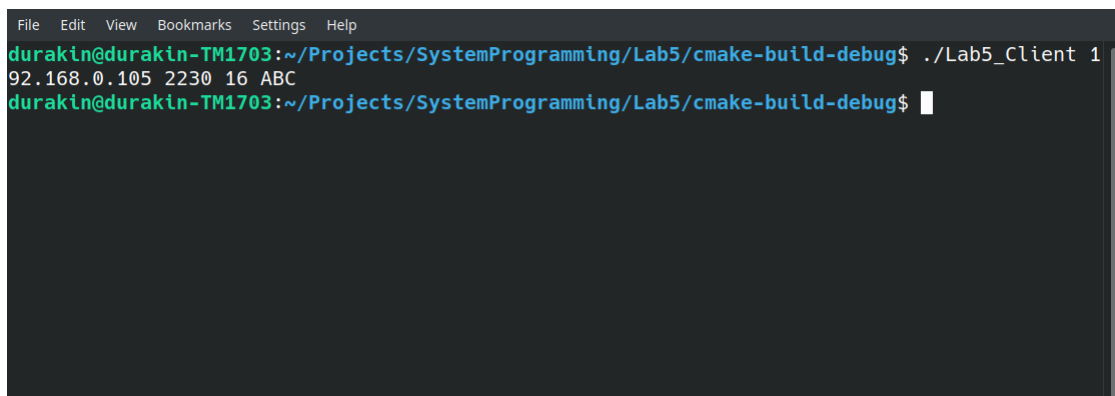
# configure is writing to config.log, and then calls config.status.
# config.status does its own redirection, appending to config.log.
# Unfortunately, on DOS this fails, as config.log is still kept open
# by configure, so config.status won't be able to write to it; its
# output is simply discarded. So we exec the FD to /dev/null,
# effectively closing config.log, so it can be properly (re)opened and
# appended to by config.status. When coming back to configure, we
# need to make the FD available again.
if test "$no_create" != yes; then
  ac_cs_success=:
  ac_config_status_args=
  test "$silent" = yes &&
    ac_config_status_args="$ac_config_status_args --quiet"
  exec 5>/dev/null
  $SHELL $CONFIG_STATUS $ac_config_status_args || ac_cs_success=false
  exec 5>>config.log
  # Use ||, not &&, to avoid exiting from the if with $? = 1, which
  # would make configure fail if this is the last instruction.
  $ac_cs_success || as_fn_exit 1
fi
if test -n "$ac_unrecognized_opts" && test "$enable_option_checking" != no; then
  { $as_echo "$as_me:${as_lineno-$LINENO}: WARNING: unrecognized options:
$ac_unrecognized_opts" >&5
$as_echo "$as_me: WARNING: unrecognized options: $ac_unrecognized_opts" >&2;}
fi
cc = gcc
CFLAGS = -std=gnu99
SOURCES = main.c Input.c FileIO.c

all:

$(CC) $(CFLAGS) $(SOURCES) -o start.o
```

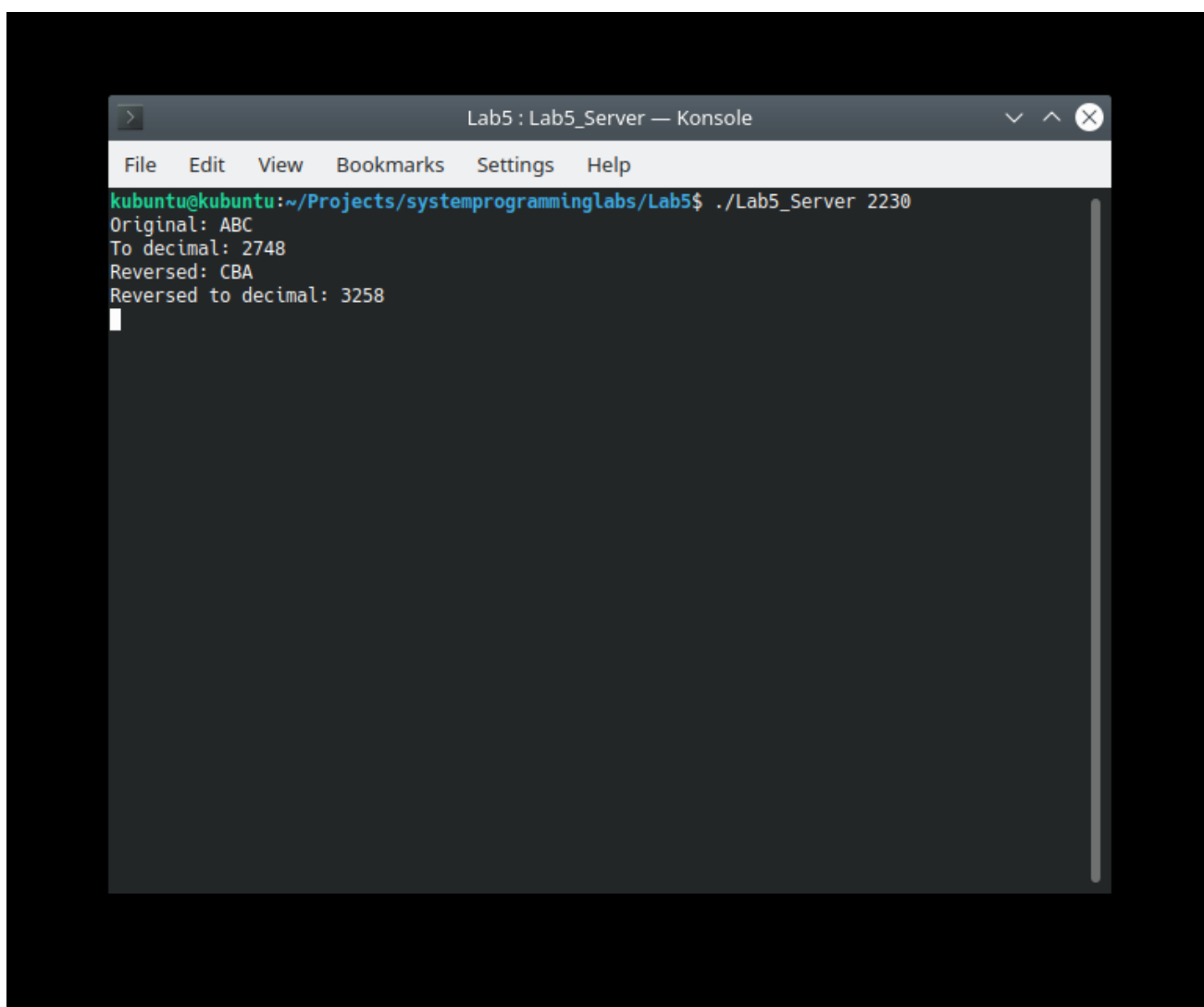
5 Тестовые примеры работы программ

Далее на рисунках приведены тестовые примеры работы программы.



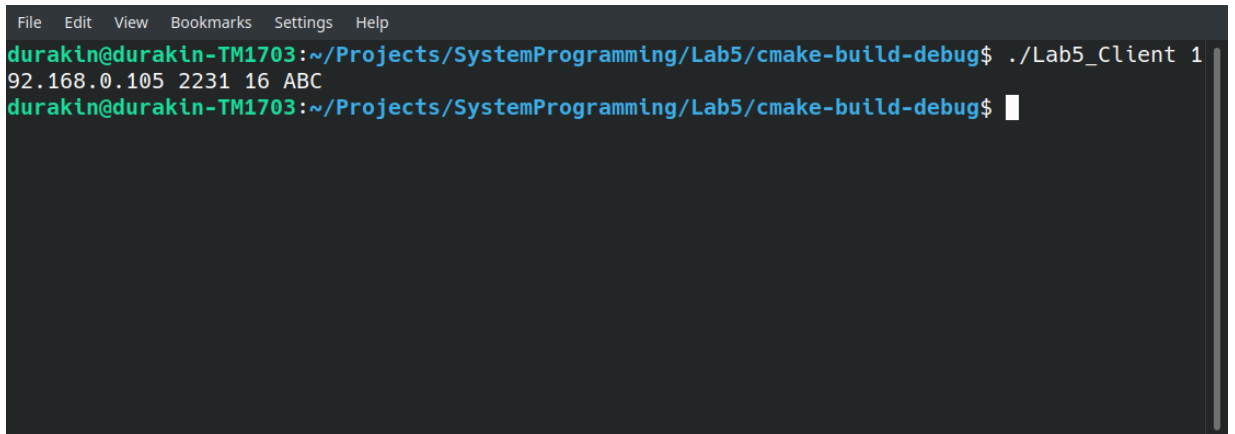
```
File Edit View Bookmarks Settings Help
durakin@durakin-TM1703:~/Projects/SystemProgramming/Lab5/cmake-build-debug$ ./Lab5_Client 1
92.168.0.105 2230 16 ABC
durakin@durakin-TM1703:~/Projects/SystemProgramming/Lab5/cmake-build-debug$
```

Рисунок 1 – Запуск клиента



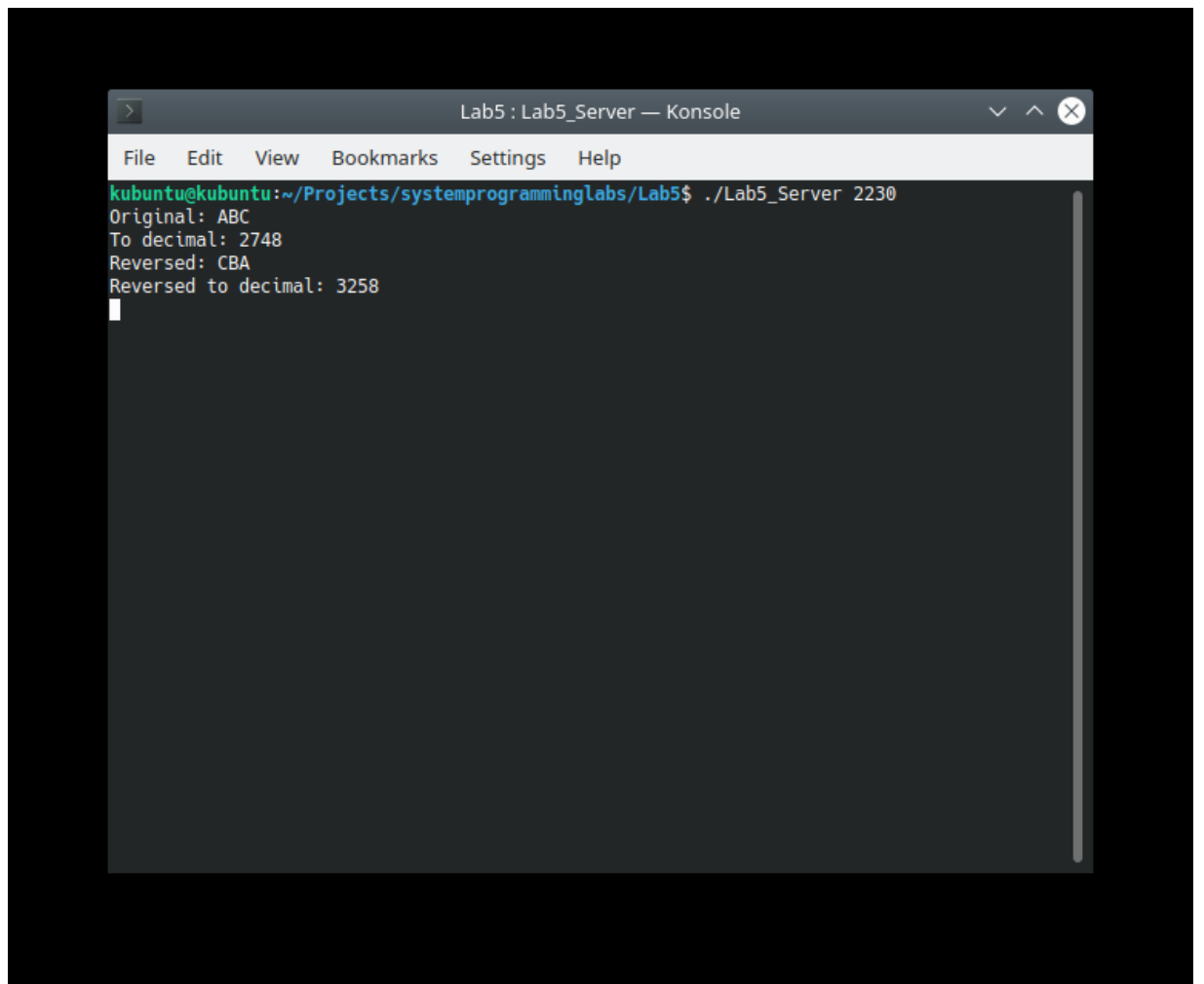
```
Lab5 : Lab5_Server — Konsole
File Edit View Bookmarks Settings Help
kubuntu@kubuntu:~/Projects/systemprogramminglabs/Lab5$ ./Lab5_Server 2230
Original: ABC
To decimal: 2748
Reversed: CBA
Reversed to decimal: 3258
```

Рисунок 2 – Реакция сервера



```
File Edit View Bookmarks Settings Help
durakin@durakin-TM1703:~/Projects/SystemProgramming/Lab5/cmake-build-debug$ ./Lab5_Client 1
92.168.0.105 2231 16 ABC
durakin@durakin-TM1703:~/Projects/SystemProgramming/Lab5/cmake-build-debug$
```

Рисунок 3 – Запуск клиента с неверным портом



```
Lab5 : Lab5_Server — Konsole
File Edit View Bookmarks Settings Help
kubuntu@kubuntu:~/Projects/systemprogramminglabs/Lab5$ ./Lab5_Server 2230
Original: ABC
To decimal: 2748
Reversed: CBA
Reversed to decimal: 3258
```

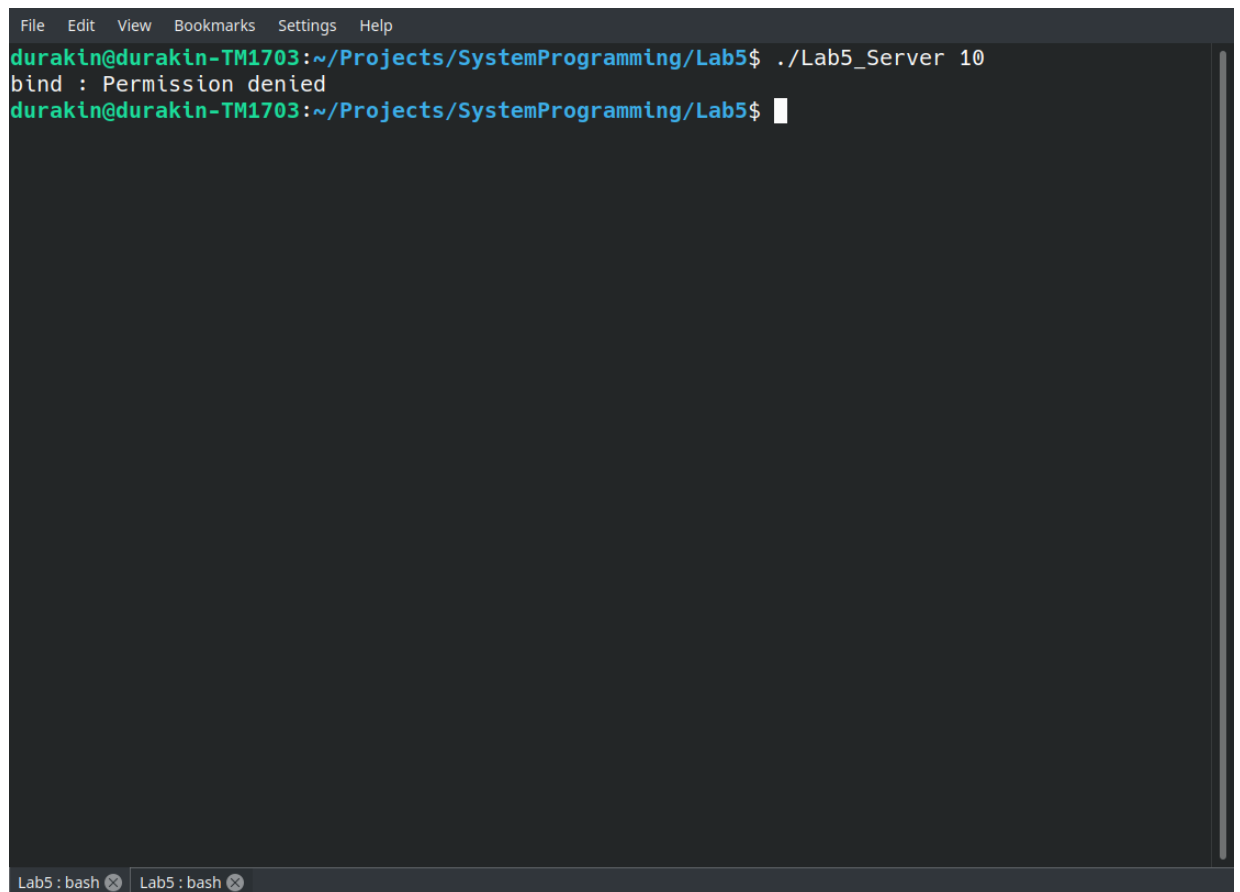
Рисунок 4 – Реакция сервера (отсутствует)

```
File Edit View Bookmarks Settings Help
durakin@durakin-TM1703:~/Projects/SystemProgramming/Lab5/cmake-build-debug$ ./Lab5_Client 1
92.168.0.105 2231 10 ABC
Wrong number format!
durakin@durakin-TM1703:~/Projects/SystemProgramming/Lab5/cmake-build-debug$ ./Lab5_Client 1
92.168.0.105 2231 24 10
Wrong radix format!
durakin@durakin-TM1703:~/Projects/SystemProgramming/Lab5/cmake-build-debug$ ./Lab5_Client 1
92.168.0.105 2231 -4 10
Wrong radix format!
durakin@durakin-TM1703:~/Projects/SystemProgramming/Lab5/cmake-build-debug$
```

Рисунок 5 – Попытки запуска клиента с неверными параметрами

```
Lab5 : bash — Konsole
File Edit View Bookmarks Settings Help
kubuntu@kubuntu:~/Projects/systemprogramminglabs/Lab5$ ./Lab5_Server 2230
Original: ABC
To decimal: 2748
Reversed: CBA
Reversed to decimal: 3258
^CCaught signal 2
Terminating server
kubuntu@kubuntu:~/Projects/systemprogramminglabs/Lab5$
```

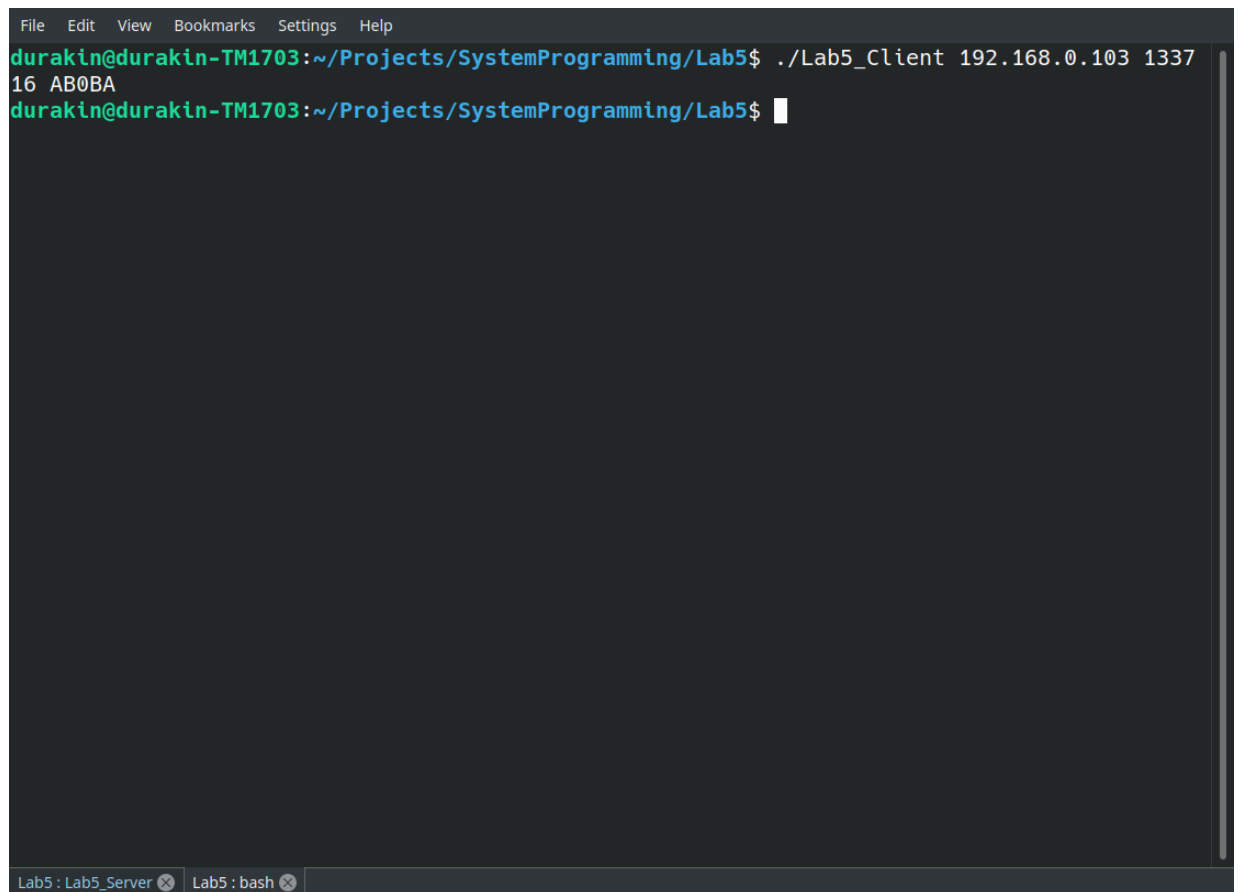
Рисунок 6 – Реакция сервера на ввод Ctrl + C



```
File Edit View Bookmarks Settings Help
durakin@durakin-TM1703:~/Projects/SystemProgramming/Lab5$ ./Lab5_Server 10
bind : Permission denied
durakin@durakin-TM1703:~/Projects/SystemProgramming/Lab5$
```

The image shows a terminal window with a dark background. At the top, there is a menu bar with 'File', 'Edit', 'View', 'Bookmarks', 'Settings', and 'Help'. The terminal text shows a user named 'durakin' on a machine named 'durakin-TM1703' in the directory '~/Projects/SystemProgramming/Lab5'. They run the command './Lab5_Server 10'. The output is 'bind : Permission denied'. The prompt returns to 'durakin@durakin-TM1703:~/Projects/SystemProgramming/Lab5\$'. At the bottom, there are two tabs labeled 'Lab5 : bash'.

Рисунок 7 – Попытка запуска сервера с указанием “плохого” порта



A terminal window with a dark background and a menu bar at the top containing 'File', 'Edit', 'View', 'Bookmarks', 'Settings', and 'Help'. The prompt is 'durakin@durakin-TM1703:~/Projects/SystemProgramming/Lab5\$'. The first command executed is './Lab5_Client 192.168.0.103 1337', which outputs '16 AB0BA'. The second command is a blank line, and the prompt returns. At the bottom, there are two tabs: 'Lab5 : Lab5_Server' and 'Lab5 : bash', both with close buttons.

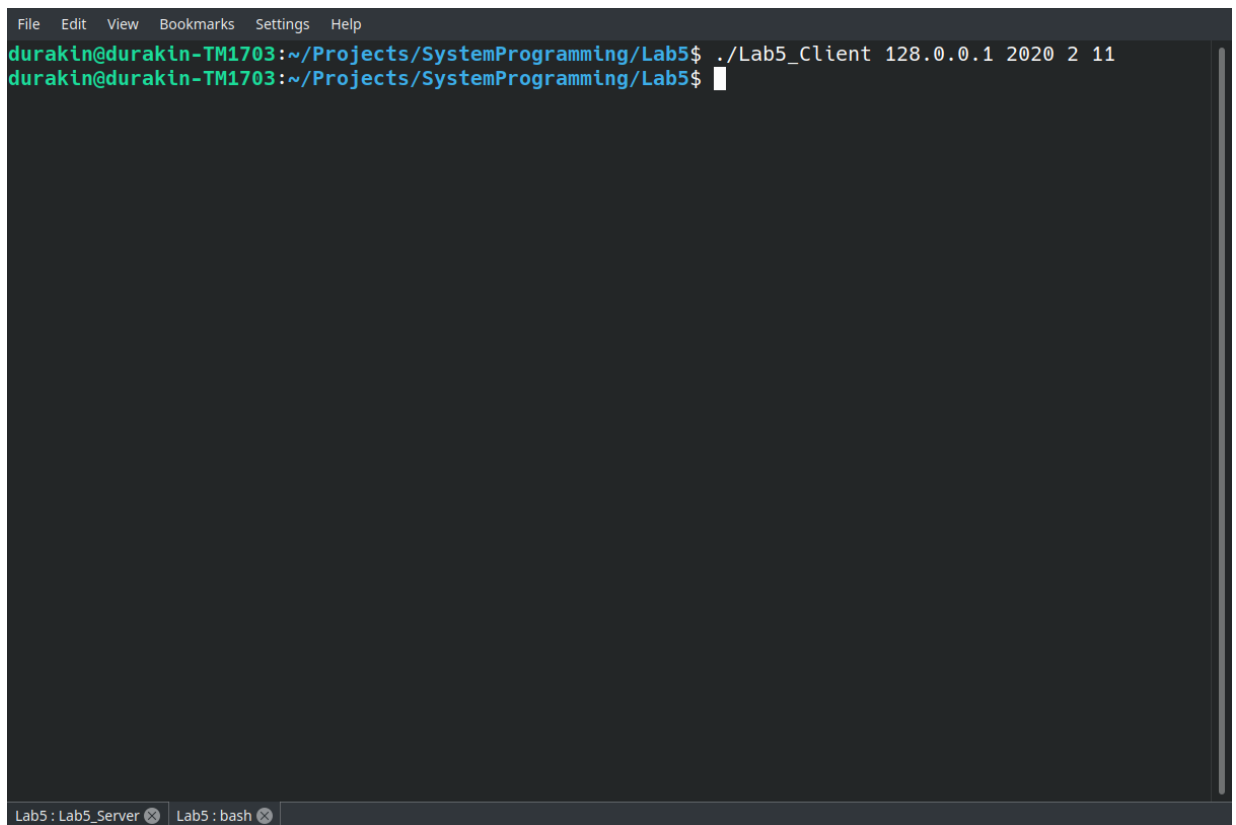
```
File Edit View Bookmarks Settings Help
durakin@durakin-TM1703:~/Projects/SystemProgramming/Lab5$ ./Lab5_Client 192.168.0.103 1337
16 AB0BA
durakin@durakin-TM1703:~/Projects/SystemProgramming/Lab5$
```

Рисунок 8 – Запуск клиента

```
File Edit View Bookmarks Settings Help
durakin@durakin-TM1703:~/Projects/SystemProgramming/Lab5$ ./Lab5_Server 10
bind : Permission denied
durakin@durakin-TM1703:~/Projects/SystemProgramming/Lab5$ ./Lab5_Server 1337
Original: AB0BA
To decimal: 700602
Reversed: AB0BA
Reversed to decimal: 700602
█
```

Lab5 : Lab5_Server ✕ Lab5 : bash ✕

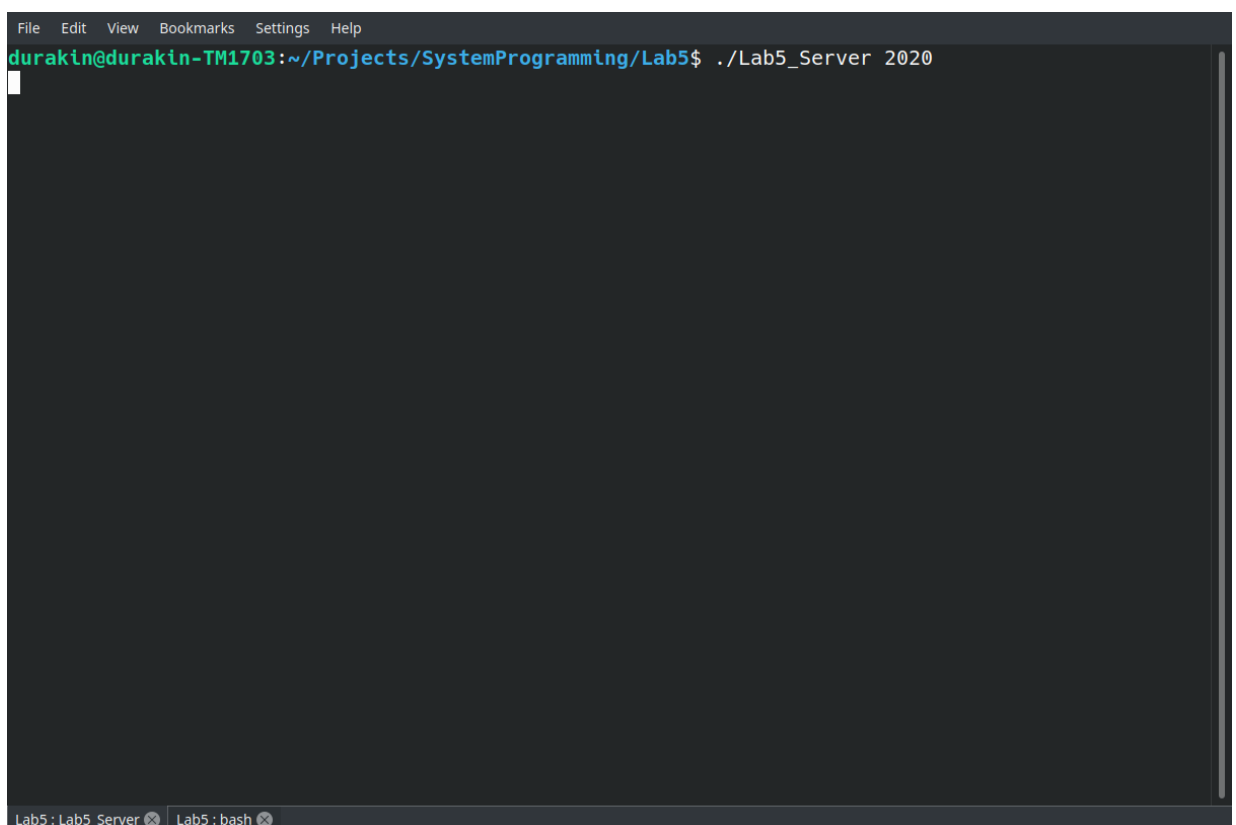
Рисунок 9 – Реакция сервера



```
File Edit View Bookmarks Settings Help
durakin@durakin-TM1703:~/Projects/SystemProgramming/Lab5$ ./Lab5_Client 128.0.0.1 2020 2 11
durakin@durakin-TM1703:~/Projects/SystemProgramming/Lab5$
```

The terminal window shows a user named 'durakin' on a machine 'durakin-TM1703' in the directory '~/Projects/SystemProgramming/Lab5'. They have executed the command './Lab5_Client 128.0.0.1 2020 2 11'. The terminal has two tabs: 'Lab5 : Lab5_Server' and 'Lab5 : bash'.

Рисунок 9 – Запуск клиента с передачей неверного IP-адреса сервера



```
File Edit View Bookmarks Settings Help
durakin@durakin-TM1703:~/Projects/SystemProgramming/Lab5$ ./Lab5_Server 2020
```

The terminal window shows the same user and directory. They have executed the command './Lab5_Server 2020'. The terminal has two tabs: 'Lab5 : Lab5_Server' and 'Lab5 : bash'.

Рисунок 10 – Реакция сервера (отсутствует)