

```
glade:hugs98-Sep2006 harmar$ ./configure
checking build system type... i686-apple-darwin10.0.0
checking host system type... i686-apple-darwin10.0.0
checking target system type... i686-apple-darwin10.0.0
checking for bison... bison -y
checking for gcc... gcc
checking for C compiler default output file name... a.out
checking whether the C compiler works... yes
checking whether we are cross compiling... no
checking for suffix of executables...
checking for suffix of object files... o
checking whether we are using the GNU C compiler... yes
checking whether gcc accepts -g... yes
checking for gcc option to accept ISO C89... none needed
checking how to run the C preprocessor... gcc -E
checking for grep that handles long lines and -e... /usr/bin/grep
checking for egrep... /usr/bin/grep -E
checking whether gcc needs -traditional... rm: conftest.dSYM: is a directory
rm: conftest.dSYM: is a directory
no
checking for rm... /bin/rm
checking for cp... /bin/cp
checking for ld... ld
checking for perl... perl
checking whether make sets $(MAKE)... yes
checking for hp2ps... 1
checking for docbook2html... no
checking for db2html... no
checking for docbook2dvi... no
checking for db2dvi... no
checking for docbook2pdf... no
checking for db2pdf... no
checking for docbook2ps... no
checking for db2ps... no
checking for diff... /usr/bin/diff
checking whether to use "diff -c1" or "diff -C 1"... /usr/bin/diff -C 1
checking for dlopen in -ldl... yes
checking for shl_load in -ldld... no
checking for atan in -lm... yes
checking for ANSI C header files... rm: conftest.dSYM: is a directory
rm: conftest.dSYM: is a directory
yes
checking for sys/wait.h that is POSIX.1 compatible... yes
checking for sys/types.h... yes
checking for sys/stat.h... yes
checking for stdlib.h... yes
checking for string.h... yes
checking for memory.h... yes
checking for strings.h... yes
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checking for inttypes.h... yes  
checking for stdint.h... yes  
checking for unistd.h... yes  
checking stdarg.h usability... yes  
checking stdarg.h presence... yes  
checking for stdarg.h... yes  
checking for stdlib.h... (cached) yes  
checking for unistd.h... (cached) yes  
checking assert.h usability... yes  
checking assert.h presence... yes  
checking for assert.h... yes  
checking ctype.h usability... yes  
checking ctype.h presence... yes  
checking for ctype.h... yes  
checking for string.h... (cached) yes  
checking limits.h usability... yes  
checking limits.h presence... yes  
checking for limits.h... yes  
checking fcntl.h usability... yes  
checking fcntl.h presence... yes  
checking for fcntl.h... yes  
checking sgtty.h usability... yes  
checking sgtty.h presence... yes  
checking for sgtty.h... yes  
checking termio.h usability... no  
checking termio.h presence... no  
checking for termio.h... no  
checking termios.h usability... yes  
checking termios.h presence... yes  
checking for termios.h... yes  
checking signal.h usability... yes  
checking signal.h presence... yes  
checking for signal.h... yes  
checking for sys/types.h... (cached) yes  
checking for sys/stat.h... (cached) yes  
checking sys/ioctl.h usability... yes  
checking sys/ioctl.h presence... yes  
checking for sys/ioctl.h... yes  
checking sys/resource.h usability... yes  
checking sys/resource.h presence... yes  
checking for sys/resource.h... yes  
checking sys/param.h usability... yes  
checking sys/param.h presence... yes  
checking for sys/param.h... yes  
checking console.h usability... no  
checking console.h presence... no  
checking for console.h... no  
checking Files.h usability... no  
checking Files.h presence... no

checking for Files.h... no  
checking errno.h usability... yes  
checking errno.h presence... yes  
checking for errno.h... yes  
checking stat.h usability... no  
checking stat.h presence... no  
checking for stat.h... no  
checking direct.h usability... no  
checking direct.h presence... no  
checking for direct.h... no  
checking dirent.h usability... yes  
checking dirent.h presence... yes  
checking for dirent.h... yes  
checking whether time.h and sys/time.h may both be included... yes  
checking time.h usability... yes  
checking time.h presence... yes  
checking for time.h... yes  
checking sys/time.h usability... yes  
checking sys/time.h presence... yes  
checking for sys/time.h... yes  
checking sys/timeb.h usability... yes  
checking sys/timeb.h presence... yes  
checking for sys/timeb.h... yes  
checking sys/times.h usability... yes  
checking sys/times.h presence... yes  
checking for sys/times.h... yes  
checking float.h usability... yes  
checking float.h presence... yes  
checking for float.h... yes  
checking values.h usability... no  
checking values.h presence... no  
checking for values.h... no  
checking dos.h usability... no  
checking dos.h presence... no  
checking for dos.h... no  
checking conio.h usability... no  
checking conio.h presence... no  
checking for conio.h... no  
checking io.h usability... no  
checking io.h presence... no  
checking for io.h... no  
checking std.h usability... no  
checking std.h presence... no  
checking for std.h... no  
checking windows.h usability... no  
checking windows.h presence... no  
checking for windows.h... no  
checking dlfcn.h usability... yes  
checking dlfcn.h presence... yes

checking for dlfcn.h... yes  
checking alloc.h usability... no  
checking alloc.h presence... no  
checking for alloc.h... no  
checking for valloc... yes  
checking locale.h usability... yes  
checking locale.h presence... yes  
checking for locale.h... yes  
checking wchar.h usability... yes  
checking wchar.h presence... yes  
checking for wchar.h... yes  
checking whether wchar\_t is ISO 10646 (Unicode)... no  
checking for locale-based character encoding... no  
checking for library containing wctomb... none required  
checking for WinExec... no  
checking for GetModuleFileName... no  
checking for atan... yes  
checking for strcasecmp... yes  
checking for \_stricmp... no  
checking for stricmp... no  
checking for strcmpi... no  
checking for strcmp... yes  
checking for rindex... yes  
checking for strchr... yes  
checking for realpath... yes  
checking for \_fullpath... no  
checking for macsystem... no  
checking for fseek... yes  
checking for ftell... yes  
checking for vsnprintf... yes  
checking for \_vsnprintf... no  
checking for snprintf... yes  
checking for \_snprintf... no  
checking for popen... yes  
checking for \_popen... no  
checking for pclose... yes  
checking for \_pclose... no  
checking for sigprocmask... yes  
checking for getrusage... yes  
checking for times... yes  
checking for isatty... yes  
checking for fstat... yes  
checking for select... yes  
checking for gettimeofday... yes  
checking for ftime... yes  
checking for time... yes  
checking for localtime... yes  
checking for gmtime... yes  
checking for mktime... yes

checking for dup... yes  
checking whether struct tm is in sys/time.h or time.h... time.h  
checking for struct tm.tm\_zone... yes  
checking for sys/time.h... (cached) yes  
checking whether timezone is declared... yes  
checking whether \_timezone is declared... no  
checking whether altzone is declared... no  
checking for working alloca.h... yes  
checking for alloca... yes  
checking for \_alloca... no  
checking for stime... no  
checking for poly... no  
checking for an ANSI C-conforming const... yes  
checking for function prototypes... yes  
checking for arrays of jmp\_bufs... yes  
checking labels as values... yes  
checking whether struct tm is in sys/time.h or time.h... (cached) time.h  
checking return type of signal handlers... void  
checking for tputs in -lncurses... yes  
checking for readline in -lreadline... yes  
checking for int... yes  
checking size of int... 4  
checking for float... yes  
checking size of float... 4  
checking for double... yes  
checking size of double... 8  
checking for int\*... yes  
checking size of int\*... 8  
building large hugs  
checking if '/LD' builds loadable libraries...  
checking if '/LD /ML /nologo' builds loadable libraries...  
checking if '-shared -fPIC' builds loadable libraries... -shared -fPIC  
checking if '-flat\_namespace -bundle -undefined suppress' builds loadable libraries... (cached) -shared -fPIC  
checking if '-bundle' builds loadable libraries... (cached) -shared -fPIC  
checking if '-r' builds loadable libraries... (cached) -shared -fPIC  
checking for LoadLibrary... no  
checking for dlopen... yes  
configure: creating ./config.status  
config.status: creating MkDefs  
config.status: creating src/Makefile  
config.status: creating docs/Makefile  
config.status: creating docs/users\_guide/Makefile  
config.status: creating demos/Makefile  
config.status: creating src/platform.h  
config.status: creating docs/hugs.1  
config.status: creating src/config.h  
config.status: creating src/options.h  
=== configuring in libraries (/Users/harmar/Downloads/hugs98-Sep2006/libraries)

configure: running /bin/sh ./configure --prefix=/usr/local --cache-file=/dev/null --srcdir=.  
checking for gcc... gcc  
checking for C compiler default output file name... a.out  
checking whether the C compiler works... yes  
checking whether we are cross compiling... no  
checking for suffix of executables...  
checking for suffix of object files... o  
checking whether we are using the GNU C compiler... yes  
checking whether gcc accepts -g... yes  
checking for gcc option to accept ISO C89... none needed  
checking how to run the C preprocessor... gcc -E  
checking for grep that handles long lines and -e... /usr/bin/grep  
checking for egrep... /usr/bin/grep -E  
checking whether gcc needs -traditional... no  
checking how to run the C preprocessor... gcc -E  
checking for a traditional C preprocessor... gcc -E -traditional-cpp  
checking whether make sets \$(MAKE)... yes  
checking for find... /usr/bin/find  
checking for sort... /usr/bin/sort  
checking for ANSI C header files... yes  
checking for sys/types.h... yes  
checking for sys/stat.h... yes  
checking for stdlib.h... yes  
checking for string.h... yes  
checking for memory.h... yes  
checking for strings.h... yes  
checking for inttypes.h... yes  
checking for stdint.h... yes  
checking for unistd.h... yes  
checking for long long... yes  
checking for char... yes  
checking size of char... 1  
checking for double... yes  
checking size of double... 8  
checking for float... yes  
checking size of float... 4  
checking for int... yes  
checking size of int... 4  
checking for long... yes  
checking size of long... 8  
checking for long long... (cached) yes  
checking size of long long... 8  
checking for short... yes  
checking size of short... 2  
checking for unsigned char... yes  
checking size of unsigned char... 1  
checking for unsigned int... yes  
checking size of unsigned int... 4  
checking for unsigned long... yes

checking size of unsigned long... 8  
checking for unsigned long long... yes  
checking size of unsigned long long... 8  
checking for unsigned short... yes  
checking size of unsigned short... 2  
checking for void \*... yes  
checking size of void \*... 8  
checking for char... (cached) yes  
checking alignment of char... 1  
checking for double... (cached) yes  
checking alignment of double... 8  
checking for float... (cached) yes  
checking alignment of float... 4  
checking for int... (cached) yes  
checking alignment of int... 4  
checking for long... (cached) yes  
checking alignment of long... 8  
checking for long long... (cached) yes  
checking alignment of long long... 8  
checking for short... (cached) yes  
checking alignment of short... 2  
checking for unsigned char... (cached) yes  
checking alignment of unsigned char... 1  
checking for unsigned int... (cached) yes  
checking alignment of unsigned int... 4  
checking for unsigned long... (cached) yes  
checking alignment of unsigned long... 8  
checking for unsigned long long... (cached) yes  
checking alignment of unsigned long long... 8  
checking for unsigned short... (cached) yes  
checking alignment of unsigned short... 2  
checking for void \*... (cached) yes  
checking alignment of void \*... 8  
configure: creating ./config.status  
config.status: creating Makefile  
config.status: creating tools/config  
config.status: creating include/ghcconfig.h  
config.status: executing ultra-evil commands

\*\*\*\*\*

\*\*\* NOW DO: make ; make install

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```
glade:hugs98-Sep2006 harmar$ make
cd src; make all
gcc -c -DNDEBUG=1 -g -no-cpp-precomp -O2 hugs.c
gcc -c -DNDEBUG=1 -g -no-cpp-precomp -O2 edit.c
gcc -c -DNDEBUG=1 -g -no-cpp-precomp -O2 observe.c
gcc -c -DNDEBUG=1 -g -no-cpp-precomp -O2 builtin.c
In file included from builtin.c:1414:
```

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iomonad.c: In function 'primCastSPToP':
iomonad.c:1632: warning: cast to pointer from integer of different size
iomonad.c: In function 'primCastPToSP':
iomonad.c:1638: warning: cast from pointer to integer of different size
builtin.c: In function 'putStablePtr4':
builtin.c:1777: warning: cast from pointer to integer of different size
builtin.c: In function 'getStablePtr4':
builtin.c:1782: warning: cast to pointer from integer of different size
builtin.c: In function 'freeStablePtr4':
builtin.c:1786: warning: cast from pointer to integer of different size
gcc -c -DNDEBUG=1 -g -no-cpp-precomp -O2 char.c
gcc -c -DNDEBUG=1 -g -no-cpp-precomp compiler.c
gcc -c -DNDEBUG=1 -g -no-cpp-precomp -O2 errors.c
gcc -c -DNDEBUG=1 -g -no-cpp-precomp -O2 evaluator.c
gcc -c -DNDEBUG=1 -g -no-cpp-precomp -O2 ffi.c
gcc -c -DNDEBUG=1 -g -no-cpp-precomp -O2 goal.c
gcc -c -DNDEBUG=1 -g -no-cpp-precomp -O2 input.c
gcc -c -DNDEBUG=1 -g -no-cpp-precomp -O2 machdep.c
gcc -c -DNDEBUG=1 -g -no-cpp-precomp -O2 machine.c
gcc -c -DNDEBUG=1 -g -no-cpp-precomp module.c
gcc -c -DNDEBUG=1 -g -no-cpp-precomp -O2 opts.c
gcc -c -DNDEBUG=1 -g -no-cpp-precomp -O2 output.c
gcc -c -DNDEBUG=1 -g -no-cpp-precomp -O2 plugin.c
gcc -c -DNDEBUG=1 -g -no-cpp-precomp -O2 script.c
gcc -c -DNDEBUG=1 -g -no-cpp-precomp static.c
gcc -c -DNDEBUG=1 -g -no-cpp-precomp -O2 storage.c
gcc -c -DNDEBUG=1 -g -no-cpp-precomp -O2 strutil.c
gcc -c -DNDEBUG=1 -g -no-cpp-precomp subst.c
gcc -c -DNDEBUG=1 -g -no-cpp-precomp type.c
gcc -flat_namespace hugs.o edit.o observe.o builtin.o char.o compiler.o errors.o evaluator.o ffi.o
goal.o input.o machdep.o machine.o module.o opts.o output.o plugin.o script.o static.o storage.o
strutil.o subst.o type.o version.o -lreadline -lncurses -lm -ldl -o hugs
gcc -c -DNDEBUG=1 -g -no-cpp-precomp -O2 runhugs.c
gcc -c -DNDEBUG=1 -g -no-cpp-precomp -O2 server.c
gcc -flat_namespace runhugs.o server.o builtin.o char.o compiler.o errors.o evaluator.o ffi.o goal.o
input.o machdep.o machine.o module.o opts.o output.o plugin.o script.o static.o storage.o strutil.o
subst.o type.o version.o -lreadline -lncurses -lm -ldl -o runhugs
gcc -c -DNDEBUG=1 -g -no-cpp-precomp -O2 -DFFI_COMPILER runhugs.c -o ffihugs.o
gcc -flat_namespace ffihugs.o server.o builtin.o char.o compiler.o errors.o evaluator.o ffi.o goal.o
input.o machdep.o machine.o module.o opts.o output.o plugin.o script.o static.o storage.o strutil.o
subst.o type.o version.o -lreadline -lncurses -lm -ldl -o ffihugs
cd libraries; make all
mkdir -p ../hugsdir/include
/bin/cp ../src/HsFFI.h ../hugsdir/include
mkdir -p ../ghc/includes
/bin/cp ../src/platform.h include/MachDeps.h include/ghcconfig.h ../ghc/includes
CPPFLAGS='-D__HUGS__ -Ddarwin_HOST_OS -Ddarwin_TARGET_OS' tools/make_bootlib
checking for gcc... gcc
checking for C compiler default output file name... a.out

```



checking whether the C compiler works... yes  
checking whether we are cross compiling... no  
checking for suffix of executables...  
checking for suffix of object files... o  
checking whether we are using the GNU C compiler... yes  
checking whether gcc accepts -g... yes  
checking for gcc option to accept ISO C89... none needed  
checking how to run the C preprocessor... gcc -E  
checking for grep that handles long lines and -e... /usr/bin/grep  
checking for egrep... /usr/bin/grep -E  
checking for ANSI C header files... yes  
checking for sys/types.h... yes  
checking for sys/stat.h... yes  
checking for stdlib.h... yes  
checking for string.h... yes  
checking for memory.h... yes  
checking for strings.h... yes  
checking for inttypes.h... yes  
checking for stdint.h... yes  
checking for unistd.h... yes  
checking for long long... yes  
checking for pid\_t... yes  
checking vfork.h usability... no  
checking vfork.h presence... no  
checking for vfork.h... no  
checking for fork... yes  
checking for vfork... yes  
checking for working fork... yes  
checking for working vfork... (cached) yes  
checking for an ANSI C-conforming const... yes  
checking for ANSI C header files... (cached) yes  
checking ctype.h usability... yes  
checking ctype.h presence... yes  
checking for ctype.h... yes  
checking dirent.h usability... yes  
checking dirent.h presence... yes  
checking for dirent.h... yes  
checking errno.h usability... yes  
checking errno.h presence... yes  
checking for errno.h... yes  
checking fcntl.h usability... yes  
checking fcntl.h presence... yes  
checking for fcntl.h... yes  
checking limits.h usability... yes  
checking limits.h presence... yes  
checking for limits.h... yes  
checking signal.h usability... yes  
checking signal.h presence... yes  
checking for signal.h... yes

checking sys/resource.h usability... yes  
checking sys/resource.h presence... yes  
checking for sys/resource.h... yes  
checking sys/select.h usability... yes  
checking sys/select.h presence... yes  
checking for sys/select.h... yes  
checking sys/syscall.h usability... yes  
checking sys/syscall.h presence... yes  
checking for sys/syscall.h... yes  
checking sys/time.h usability... yes  
checking sys/time.h presence... yes  
checking for sys/time.h... yes  
checking sys/timeb.h usability... yes  
checking sys/timeb.h presence... yes  
checking for sys/timeb.h... yes  
checking sys/timers.h usability... no  
checking sys/timers.h presence... no  
checking for sys/timers.h... no  
checking sys/times.h usability... yes  
checking sys/times.h presence... yes  
checking for sys/times.h... yes  
checking sys/utsname.h usability... yes  
checking sys/utsname.h presence... yes  
checking for sys/utsname.h... yes  
checking sys/wait.h usability... yes  
checking sys/wait.h presence... yes  
checking for sys/wait.h... yes  
checking termios.h usability... yes  
checking termios.h presence... yes  
checking for termios.h... yes  
checking time.h usability... yes  
checking time.h presence... yes  
checking for time.h... yes  
checking utime.h usability... yes  
checking utime.h presence... yes  
checking for utime.h... yes  
checking windows.h usability... no  
checking windows.h presence... no  
checking for windows.h... no  
checking winsock.h usability... no  
checking winsock.h presence... no  
checking for winsock.h... no  
checking for special C compiler options needed for large files... no  
checking for \_FILE\_OFFSET\_BITS value needed for large files... no  
rm: conftest.dSYM: is a directory  
checking for \_LARGE\_FILES value needed for large files... no  
rm: conftest.dSYM: is a directory  
checking wctype.h usability... yes  
checking wctype.h presence... yes

checking for wctype.h... yes  
checking for iswspace... yes  
checking for ftime... yes  
checking for gmtime\_r... yes  
checking for localtime\_r... yes  
checking for lstat... yes  
checking for readdir\_r... yes  
checking for getclock... no  
checking for getrusage... yes  
checking for gettimeofday... yes  
checking for setitimer... yes  
checking for times... yes  
checking for \_chsize... no  
checking for ftruncate... yes  
checking whether time.h and sys/time.h may both be included... yes  
checking whether struct tm is in sys/time.h or time.h... time.h  
checking for struct tm.tm\_zone... yes  
checking for sys/time.h... (cached) yes  
checking whether altzone is declared... no  
checking Haskell type for char... Int8  
checking Haskell type for signed char... Int8  
checking Haskell type for unsigned char... Word8  
checking Haskell type for short... Int16  
checking Haskell type for unsigned short... Word16  
checking Haskell type for int... Int32  
checking Haskell type for unsigned int... Word32  
checking Haskell type for long... Int64  
checking Haskell type for unsigned long... Word64  
checking Haskell type for long long... Int64  
checking Haskell type for unsigned long long... Word64  
checking Haskell type for float... Float  
checking Haskell type for double... Double  
checking Haskell type for ptrdiff\_t... Int64  
checking Haskell type for size\_t... Word64  
checking Haskell type for wchar\_t... Int32  
checking Haskell type for sig\_atomic\_t... Int32  
checking Haskell type for clock\_t... Word64  
checking Haskell type for time\_t... Int64  
checking Haskell type for dev\_t... Int32  
checking Haskell type for ino\_t... Word64  
checking Haskell type for mode\_t... Word16  
checking Haskell type for off\_t... Int64  
checking Haskell type for pid\_t... Int32  
checking Haskell type for gid\_t... Word32  
checking Haskell type for uid\_t... Word32  
checking Haskell type for cc\_t... Word8  
checking Haskell type for speed\_t... Word64  
checking Haskell type for tcflag\_t... Word64  
checking Haskell type for nlink\_t... Word16

checking Haskell type for ssize\_t... Int64  
checking Haskell type for rlim\_t... Word64  
checking Haskell type for wint\_t... Int32  
checking Haskell type for intptr\_t... Int64  
checking Haskell type for uintptr\_t... Word64  
checking Haskell type for intmax\_t... Int64  
checking Haskell type for uintmax\_t... Word64  
checking value of E2BIG... 7  
checking value of EACCES... 13  
checking value of EADDRINUSE... 48  
checking value of EADDRNOTAVAIL... 49  
checking value of EADV... -1  
checking value of EAFNOSUPPORT... 47  
checking value of EAGAIN... 35  
checking value of EALREADY... 37  
checking value of EBADF... 9  
checking value of EBADMSG... 94  
checking value of EBADRPC... 72  
checking value of EBUSY... 16  
checking value of ECHILD... 10  
checking value of ECOMM... -1  
checking value of ECONNABORTED... 53  
checking value of ECONNREFUSED... 61  
checking value of ECONNRESET... 54  
checking value of EDEADLK... 11  
checking value of EDESTADDRREQ... 39  
checking value of EDIRTY... -1  
checking value of EDOM... 33  
checking value of EDQUOT... 69  
checking value of EEXIST... 17  
checking value of EFAULT... 14  
checking value of EFBIG... 27  
checking value of EFTYPE... 79  
checking value of EHOSTDOWN... 64  
checking value of EHOSTUNREACH... 65  
checking value of EIDRM... 90  
checking value of EILSEQ... 92  
checking value of EINPROGRESS... 36  
checking value of EINTR... 4  
checking value of EINVAL... 22  
checking value of EIO... 5  
checking value of EISCONN... 56  
checking value of EISDIR... 21  
checking value of ELOOP... 62  
checking value of EMFILE... 24  
checking value of EMLINK... 31  
checking value of EMSGSIZE... 40  
checking value of EMULTIHOP... 95  
checking value of ENAMETOOLONG... 63

checking value of ENETDOWN... 50  
checking value of ENETRESET... 52  
checking value of ENETUNREACH... 51  
checking value of ENFILE... 23  
checking value of ENOBUFS... 55  
checking value of ENODATA... 96  
checking value of ENODEV... 19  
checking value of ENOENT... 2  
checking value of ENOEXEC... 8  
checking value of ENOLCK... 77  
checking value of ENOLINK... 97  
checking value of ENOMEM... 12  
checking value of ENOMSG... 91  
checking value of ENONET... -1  
checking value of ENOPROTOOPT... 42  
checking value of ENOSPC... 28  
checking value of ENOSR... 98  
checking value of ENOSTR... 99  
checking value of ENOSYS... 78  
checking value of ENOTBLK... 15  
checking value of ENOTCONN... 57  
checking value of ENOTDIR... 20  
checking value of ENOTEMPTY... 66  
checking value of ENOTSOCK... 38  
checking value of ENOTTY... 25  
checking value of ENXIO... 6  
checking value of EOPNOTSUPP... 102  
checking value of EPERM... 1  
checking value of EPNOSUPPORT... 46  
checking value of EPIPE... 32  
checking value of EPROCLIM... 67  
checking value of EPROCUNAVAIL... 76  
checking value of EPROGMISMATCH... 75  
checking value of EPROGUNAVAIL... 74  
checking value of EPROTO... 100  
checking value of EPROTONOSUPPORT... 43  
checking value of EPROTOTYPE... 41  
checking value of ERANGE... 34  
checking value of EREMCHG... -1  
checking value of EREMOTE... 71  
checking value of EROFS... 30  
checking value of ERPCMISMATCH... 73  
checking value of ERREMOTE... -1  
checking value of ESHUTDOWN... 58  
checking value of ESOCKTNOSUPPORT... 44  
checking value of ESPIPE... 29  
checking value of ESRCH... 3  
checking value of ESRMNT... -1  
checking value of ESTALE... 70

checking value of ETIME... 101  
checking value of ETIMEDOUT... 60  
checking value of ETOOMANYREFS... 59  
checking value of ETXTBSY... 26  
checking value of EUSERS... 68  
checking value of EWOLDBLOCK... 35  
checking value of EXDEV... 18  
checking value of ENOCIGAR... -1  
checking value of SIGABRT... 6  
checking value of SIGALRM... 14  
checking value of SIGBUS... 10  
checking value of SIGCHLD... 20  
checking value of SIGCONT... 19  
checking value of SIGFPE... 8  
checking value of SIGHUP... 1  
checking value of SIGILL... 4  
checking value of SIGINT... 2  
checking value of SIGKILL... 9  
checking value of SIGPIPE... 13  
checking value of SIGQUIT... 3  
checking value of SIGSEGV... 11  
checking value of SIGSTOP... 17  
checking value of SIGTERM... 15  
checking value of SIGTSTP... 18  
checking value of SIGTTIN... 21  
checking value of SIGTTOU... 22  
checking value of SIGUSR1... 30  
checking value of SIGUSR2... 31  
checking value of SIGPOLL... -1  
checking value of SIGPROF... 27  
checking value of SIGSYS... 12  
checking value of SIGTRAP... 5  
checking value of SIGURG... 16  
checking value of SIGVTALRM... 26  
checking value of SIGXCPU... 24  
checking value of SIGXFSZ... 25  
checking value of SIG\_BLOCK... 1  
checking value of SIG\_SETMASK... 3  
checking value of SIG\_UNBLOCK... 2  
checking value of SIG\_DFL... 0  
checking value of SIG\_IGN... 1  
checking value of SIG\_ERR... 18446744073709551615  
checking value of O\_BINARY... 0  
checking what readdir sets errno to upon EOF... 0  
configure: creating ./config.status  
config.status: creating include/HsBaseConfig.h  
Preprocessing Control/Applicative  
Preprocessing Control/Arrow  
Preprocessing Control/Concurrent

Preprocessing Control/Concurrent/Chan  
Preprocessing Control/Concurrent/MVar  
Preprocessing Control/Concurrent/QSem  
Preprocessing Control/Concurrent/QSemN  
Preprocessing Control/Concurrent/SampleVar  
Preprocessing Control/Exception  
Preprocessing Control/Monad  
Preprocessing Control/Monad/Fix  
Preprocessing Control/Monad/Instances  
Preprocessing Control/Monad/ST  
Preprocessing Control/Monad/ST/Lazy  
Preprocessing Control/Monad/ST/Strict  
Preprocessing Control/Parallel  
Preprocessing Control/Parallel/Strategies  
Preprocessing Data/Array  
Preprocessing Data/Array/Base  
Preprocessing Data/Array/Diff  
Preprocessing Data/Array/IArray  
Preprocessing Data/Array/IO  
Preprocessing Data/Array/IO/Internals  
Preprocessing Data/Array/MArray  
Preprocessing Data/Array/ST  
Preprocessing Data/Array/Storable  
Preprocessing Data/Array/Unboxed  
Preprocessing Data/Bits  
Preprocessing Data/Bool  
Preprocessing Data/ByteString  
Preprocessing Data/ByteString/Base  
Preprocessing Data/ByteString/Char8  
Preprocessing Data/ByteString/Fusion  
Preprocessing Data/ByteString/Lazy  
Preprocessing Data/ByteString/Lazy/Char8  
Preprocessing Data/Char  
Preprocessing Data/Complex  
Preprocessing Data/Dynamic  
Preprocessing Data/Either  
Preprocessing Data/Eq  
Preprocessing Data/Fixed  
Preprocessing Data/Foldable  
Preprocessing Data/FunctorM  
Preprocessing Data/Generics  
Preprocessing Data/Generics/Aliases  
Preprocessing Data/Generics/Basics  
Preprocessing Data/Generics/Instances  
Preprocessing Data/Generics/Schemes  
Preprocessing Data/Generics/Text  
Preprocessing Data/Generics/Twins  
Preprocessing Data/Graph  
Preprocessing Data/HashTable

Preprocessing Data/IORef  
Preprocessing Data/Int  
Preprocessing Data/IntMap  
Preprocessing Data/IntSet  
Preprocessing Data/Ix  
Preprocessing Data/List  
Preprocessing Data/Map  
Preprocessing Data/Maybe  
Preprocessing Data/Monoid  
Preprocessing Data/Ord  
Preprocessing Data/PackedString  
Preprocessing Data/Queue  
Preprocessing Data/Ratio  
Preprocessing Data/STRef  
Preprocessing Data/STRef/Lazy  
Preprocessing Data/STRef/Strict  
Preprocessing Data/Sequence  
Preprocessing Data/Set  
Preprocessing Data/Traversable  
Preprocessing Data/Tree  
Preprocessing Data/Tuple  
Preprocessing Data/Typeable  
Preprocessing Data/Unique  
Preprocessing Data/Version  
Preprocessing Data/Word  
Preprocessing Debug/Trace  
Preprocessing Foreign  
Preprocessing Foreign/C  
Preprocessing Foreign/C/Error  
Preprocessing Foreign/C/String  
Preprocessing Foreign/C/Types  
Preprocessing Foreign/Concurrent  
Preprocessing Foreign/ForeignPtr  
Preprocessing Foreign/Marshal  
Preprocessing Foreign/Marshal/Alloc  
Preprocessing Foreign/Marshal/Array  
Preprocessing Foreign/Marshal/Error  
Preprocessing Foreign/Marshal/Pool  
Preprocessing Foreign/Marshal/Utils  
Preprocessing Foreign/Ptr  
Preprocessing Foreign/StablePtr  
Preprocessing Foreign/Storable  
Preprocessing Numeric  
Preprocessing Prelude  
Preprocessing System/CPUTime  
Preprocessing System/Cmd  
Preprocessing System/Console/GetOpt  
Preprocessing System/Directory  
Preprocessing System/Directory/Internals



Preprocessing System/Environment  
Preprocessing System/Exit  
Preprocessing System/IO  
Preprocessing System/IO/Error  
Preprocessing System/IO/Unsafe  
Preprocessing System/Info  
Preprocessing System/Locale  
Preprocessing System/Mem  
Preprocessing System/Mem/StableName  
Preprocessing System/Mem/Weak  
Preprocessing System/Posix/Internals  
Preprocessing System/Posix/Signals  
Preprocessing System/Posix/Types  
Preprocessing System/Process  
Preprocessing System/Process/Internals  
Preprocessing System/Random  
Preprocessing System/Time  
Preprocessing Text/ParserCombinators/ReadP  
Preprocessing Text/ParserCombinators/ReadPrec  
Preprocessing Text/PrettyPrint  
Preprocessing Text/PrettyPrint/HughesPJ  
Preprocessing Text/Printf  
Preprocessing Text/Read  
Preprocessing Text/Read/Lex  
Preprocessing Text/Show  
Preprocessing Text/Show/Functions  
Preprocessing Array  
Preprocessing Bits  
Preprocessing CError  
Preprocessing CForeign  
Preprocessing CPUTime  
Preprocessing CString  
Preprocessing CTypes  
Preprocessing Char  
Preprocessing Complex  
Preprocessing Directory  
Preprocessing ForeignPtr  
Preprocessing IO  
Preprocessing Int  
Preprocessing Ix  
Preprocessing List  
Preprocessing Locale  
Preprocessing MarshalAlloc  
Preprocessing MarshalArray  
Preprocessing MarshalError  
Preprocessing MarshalUtils  
Preprocessing Maybe  
Preprocessing Monad  
Preprocessing Ptr

Preprocessing Random  
Preprocessing Ratio  
Preprocessing StablePtr  
Preprocessing Storable  
Preprocessing System  
Preprocessing Time  
Preprocessing Word  
Preprocessing DefaultSetup  
/tmp/cvt.6901/cppinput.c:1: error: invalid preprocessing directive #!  
Preprocessing Distribution/Compat/Directory  
Preprocessing Distribution/Compat/Exception  
Preprocessing Distribution/Compat/FilePath  
Preprocessing Distribution/Compat/Map  
Preprocessing Distribution/Compat/RawSystem  
Preprocessing Distribution/Compat/ReadP  
Preprocessing Distribution/Compiler  
Preprocessing Distribution/Extension  
Preprocessing Distribution/GetOpt  
Preprocessing Distribution/InstalledPackageInfo  
Preprocessing Distribution/License  
Preprocessing Distribution/Make  
Preprocessing Distribution/Package  
Preprocessing Distribution/PackageDescription  
Preprocessing Distribution/ParseUtils  
Preprocessing Distribution/PreProcess  
Preprocessing Distribution/PreProcess/Unlit  
Preprocessing Distribution/Program  
Preprocessing Distribution/Setup  
Preprocessing Distribution/Simple  
Preprocessing Distribution/Simple/Build  
Preprocessing Distribution/Simple/Configure  
Preprocessing Distribution/Simple/GHC  
Preprocessing Distribution/Simple/GHCPackageConfig  
Preprocessing Distribution/Simple/Hugs  
Preprocessing Distribution/Simple/Install  
Preprocessing Distribution/Simple/JHC  
Preprocessing Distribution/Simple/LocalBuildInfo  
Preprocessing Distribution/Simple/NHC  
Preprocessing Distribution/Simple/Register  
Preprocessing Distribution/Simple/SrcDist  
Preprocessing Distribution/Simple/Utils  
Preprocessing Distribution/Version  
Preprocessing Language/Haskell/Extension  
Preprocessing Network/Hackage/CabalInstall/BuildDep  
Preprocessing Network/Hackage/CabalInstall/Clean  
Preprocessing Network/Hackage/CabalInstall/Config  
Preprocessing Network/Hackage/CabalInstall/Configure  
Preprocessing Network/Hackage/CabalInstall/Dependency  
Preprocessing Network/Hackage/CabalInstall/Fetch

Preprocessing Network/Hackage/CabalInstall/Info  
Preprocessing Network/Hackage/CabalInstall/Install  
Preprocessing Network/Hackage/CabalInstall/List  
Preprocessing Network/Hackage/CabalInstall/Main  
Preprocessing Network/Hackage/CabalInstall/Setup  
Preprocessing Network/Hackage/CabalInstall/TarUtils  
Preprocessing Network/Hackage/CabalInstall/Types  
Preprocessing Network/Hackage/CabalInstall/Update  
Preprocessing Network/Hackage/Client  
Preprocessing Network/Hackage/Interface  
Preprocessing Network/Hackage/Version

Undefined symbols:

"\_environ", referenced from:  
    \_\_hscore\_environ in cc8vP1iT.o

ld: symbol(s) not found

collect2: ld returned 1 exit status

runhugs: Error occurred

ERROR "libraries/bootlib/Foreign/C/Error.hs" - Error while running compilation command 'gcc  
-DNDEBUG=1 -g -no-cpp-precomp -flat\_namespace -shared -fPIC -D\_\_HUGS\_\_ -Ihugsdir/include"  
-o "libraries/bootlib/Foreign/C/Error.so" "libraries/bootlib/Foreign/C/Error.c" -Ipackages/base/include  
-Ighc/includes packages/base/cbits/PreLIOUtils.c'

Undefined symbols:

"\_environ", referenced from:  
    \_\_hscore\_environ in ccRNq0o3.o

ld: symbol(s) not found

collect2: ld returned 1 exit status

runhugs: Error occurred

ERROR "libraries/bootlib/Foreign/Marshal/Alloc.hs" - Error while running compilation command 'gcc  
-DNDEBUG=1 -g -no-cpp-precomp -flat\_namespace -shared -fPIC -D\_\_HUGS\_\_ -Ihugsdir/include"  
-o "libraries/bootlib/Foreign/Marshal/Alloc.so" "libraries/bootlib/Foreign/Marshal/Alloc.c"  
-Ipackages/base/include -Ighc/includes packages/base/cbits/PreLIOUtils.c packages/base/cbits/dirUtils.c  
packages/base/cbits/consUtils.c'

Undefined symbols:

"\_environ", referenced from:  
    \_\_hscore\_environ in ccYxvxRg.o

ld: symbol(s) not found

collect2: ld returned 1 exit status

runhugs: Error occurred

ERROR "libraries/bootlib/Foreign/Ptr.hs" - Error while running compilation command 'gcc  
-DNDEBUG=1 -g -no-cpp-precomp -flat\_namespace -shared -fPIC -D\_\_HUGS\_\_ -Ihugsdir/include"  
-o "libraries/bootlib/Foreign/Ptr.so" "libraries/bootlib/Foreign/Ptr.c" -Ipackages/base/include  
-Ighc/includes packages/base/cbits/PreLIOUtils.c'

Undefined symbols:

"\_\_hscore\_sig\_block", referenced from:  
  \_hugsprim\_\_hscore\_sig\_block\_69 in ccxWYBkc.o

"\_\_hscore\_lflag", referenced from:  
  \_hugsprim\_\_hscore\_lflag\_75 in ccxWYBkc.o

"\_\_hscore\_d\_name", referenced from:  
  \_hugsprim\_\_hscore\_d\_name\_43 in ccxWYBkc.o

"\_\_hscore\_free\_dirent", referenced from:  
  \_hugsprim\_\_hscore\_free\_dirent\_41 in ccxWYBkc.o

"\_\_hscore\_o\_binary", referenced from:  
  \_hugsprim\_\_hscore\_o\_binary\_53 in ccxWYBkc.o

"\_\_hscore\_o\_excl", referenced from:  
  \_hugsprim\_\_hscore\_o\_excl\_49 in ccxWYBkc.o

"\_\_hscore\_sigttou", referenced from:  
  \_hugsprim\_\_hscore\_sigttou\_68 in ccxWYBkc.o

"\_\_hscore\_fstat", referenced from:  
  \_hugsprim\_\_hscore\_fstat\_8 in ccxWYBkc.o

"\_\_hscore\_o\_ronly", referenced from:  
  \_hugsprim\_\_hscore\_o\_ronly\_44 in ccxWYBkc.o

"\_\_hscore\_o\_nonblock", referenced from:  
  \_hugsprim\_\_hscore\_o\_nonblock\_52 in ccxWYBkc.o

"\_\_hscore\_o\_trunc", referenced from:  
  \_hugsprim\_\_hscore\_o\_trunc\_50 in ccxWYBkc.o

"\_\_hscore\_o\_append", referenced from:  
  \_hugsprim\_\_hscore\_o\_append\_47 in ccxWYBkc.o

"\_\_hscore\_o\_noctty", referenced from:  
  \_hugsprim\_\_hscore\_o\_noctty\_51 in ccxWYBkc.o

"\_\_hscore\_renameFile", referenced from:  
  \_hugsprim\_\_hscore\_renameFile\_17 in ccxWYBkc.o

"\_\_hscore\_sigemptyset", referenced from:  
  \_hugsprim\_\_hscore\_sigemptyset\_33 in ccxWYBkc.o

"\_\_hscore\_echo", referenced from:  
  \_hugsprim\_\_hscore\_echo\_63 in ccxWYBkc.o

"\_\_hscore\_sigaddset", referenced from:  
  \_hugsprim\_\_hscore\_sigaddset\_34 in ccxWYBkc.o

"\_\_hscore\_readdir", referenced from:  
  \_hugsprim\_\_hscore\_readdir\_40 in ccxWYBkc.o

"\_\_hscore\_icanon", referenced from:  
  \_hugsprim\_\_hscore\_icanon\_65 in ccxWYBkc.o

"\_\_hscore\_sig\_setmask", referenced from:  
  \_hugsprim\_\_hscore\_sig\_setmask\_70 in ccxWYBkc.o

"\_\_hscore\_vtime", referenced from:  
  \_hugsprim\_\_hscore\_vtime\_67 in ccxWYBkc.o

"\_\_hscore\_open", referenced from:  
  \_hugsprim\_\_hscore\_open\_13 in ccxWYBkc.o

"\_\_hscore\_s\_isreg", referenced from:  
  \_hugsprim\_\_hscore\_s\_isreg\_54 in ccxWYBkc.o

"\_\_hscore\_st\_size", referenced from:  
  \_hugsprim\_\_hscore\_st\_size\_61 in ccxWYBkc.o

"\_\_hscore\_o\_wronly", referenced from:

\_\_hugsprim\_\_hscore\_o\_wronly\_45 in ccxWYBkc.o  
" \_\_hscore\_stat", referenced from:  
\_\_hugsprim\_\_hscore\_stat\_20 in ccxWYBkc.o  
" \_\_hscore\_st\_mtime", referenced from:  
\_\_hugsprim\_\_hscore\_st\_mtime\_60 in ccxWYBkc.o  
" \_\_hscore\_o\_rdwr", referenced from:  
\_\_hugsprim\_\_hscore\_o\_rdwr\_46 in ccxWYBkc.o  
" \_\_hscore\_s\_isfifo", referenced from:  
\_\_hugsprim\_\_hscore\_s\_isfifo\_58 in ccxWYBkc.o  
" \_\_hscore\_s\_isblk", referenced from:  
\_\_hugsprim\_\_hscore\_s\_isblk\_56 in ccxWYBkc.o  
" \_\_hscore\_lstat", referenced from:  
\_\_hugsprim\_\_hscore\_lstat\_12 in ccxWYBkc.o  
" \_\_hscore\_poke\_lflag", referenced from:  
\_\_hugsprim\_\_hscore\_poke\_lflag\_76 in ccxWYBkc.o  
" \_\_hscore\_s\_issock", referenced from:  
\_\_hugsprim\_\_hscore\_s\_issock\_78 in ccxWYBkc.o  
" \_\_hscore\_f\_setfl", referenced from:  
\_\_hugsprim\_\_hscore\_f\_setfl\_72 in ccxWYBkc.o  
" \_\_hscore\_s\_ischr", referenced from:  
\_\_hugsprim\_\_hscore\_s\_ischr\_55 in ccxWYBkc.o  
" \_\_hscore\_ftruncate", referenced from:  
\_\_hugsprim\_\_hscore\_ftruncate\_23 in ccxWYBkc.o  
" \_\_hscore\_end\_of\_dir", referenced from:  
\_\_hugsprim\_\_hscore\_end\_of\_dir\_42 in ccxWYBkc.o  
" \_\_hscore\_vmin", referenced from:  
\_\_hugsprim\_\_hscore\_vmin\_66 in ccxWYBkc.o  
" \_\_hscore\_lseek", referenced from:  
\_\_hugsprim\_\_hscore\_lseek\_11 in ccxWYBkc.o  
" \_\_hscore\_tcsanow", referenced from:  
\_\_hugsprim\_\_hscore\_tcsanow\_64 in ccxWYBkc.o  
" \_\_hscore\_f\_getfl", referenced from:  
\_\_hugsprim\_\_hscore\_f\_getfl\_71 in ccxWYBkc.o  
" \_\_hscore\_sizeof\_stat", referenced from:  
\_\_hugsprim\_\_hscore\_sizeof\_stat\_59 in ccxWYBkc.o  
" \_\_hscore\_mkdir", referenced from:  
\_\_hugsprim\_\_hscore\_mkdir\_15 in ccxWYBkc.o  
" \_\_hscore\_st\_mode", referenced from:  
\_\_hugsprim\_\_hscore\_st\_mode\_62 in ccxWYBkc.o  
" \_\_hscore\_s\_isdir", referenced from:  
\_\_hugsprim\_\_hscore\_s\_isdir\_57 in ccxWYBkc.o  
" \_\_hscore\_o\_creat", referenced from:  
\_\_hugsprim\_\_hscore\_o\_creat\_48 in ccxWYBkc.o  
" \_\_hscore\_ptr\_c\_cc", referenced from:  
\_\_hugsprim\_\_hscore\_ptr\_c\_cc\_77 in ccxWYBkc.o  
" \_\_hscore\_sizeof\_termios", referenced from:  
\_\_hugsprim\_\_hscore\_sizeof\_termios\_73 in ccxWYBkc.o  
" \_\_hscore\_sizeof\_sigset\_t", referenced from:  
\_\_hugsprim\_\_hscore\_sizeof\_sigset\_t\_74 in ccxWYBkc.o

```
ld: symbol(s) not found
collect2: ld returned 1 exit status
runhugs: Error occurred
ERROR "libraries/bootlib/System/Posix/Internals.hs" - Error while running compilation command 'gcc
-DNDEBUG=1 -g -no-cpp-precomp -flat_namespace -shared -fPIC -D__HUGS__ "-Ihugsdir/include"
-o "libraries/bootlib/System/Posix/Internals.so" "libraries/bootlib/System/Posix/Internals.c"
-Ipackages/base/include -Ighc/includes'
```

```
echo timestamp for bootlib >bootlib/.stamp
cd ../cpphs; HUGSFLAGS=-P../libraries/bootlib HUGSDIR=../hugsdir ../src/runhugs -98
../packages/Cabal/examples/hapax.hs configure --verbose --hugs --prefix='/usr/local'
--scratchdir='../hugsdir/packages/cpphs' --with-compiler=../src/ffihugs
runhugs: Error occurred
ERROR "../libraries/bootlib/Foreign/Ptr.hs" - Error while importing DLL
"../libraries/bootlib/Foreign/Ptr.so":
dlopen(../libraries/bootlib/Foreign/Ptr.so, 9): image not found
```

```
make[1]: *** [../hugsdir/programs/cpphs/Main.hs] Error 1
make: *** [all] Error 2
glade:hugs98-Sep2006 harmar$
```