```
LLL              IIIIIIIIII   BBBBBBBBBBBB   RRRRRRRRRRRR   TTTTTTTTTTTTTTTT   LLL
LLL              IIIIIIIIII   BBBBBBBBBBBB   RRRRRRRRRRRR   TTTTTTTTTTTTTTTT   LLL
LLL              IIIIIIIIII   BBBBBBBBBBBB   RRRRRRRRRRRR   TTTTTTTTTTTTTTTT   LLL
LLL                  III      BBB      BBB   RRR      RRR         TTT          LLL
LLL                  III      BBB      BBB   RRR      RRR         TTT          LLL
LLL                  III      BBB      BBB   RRR      RRR         TTT          LLL
LLL                  III      BBB      BBB   RRR      RRR         TTT          LLL
LLL                  III      BBB      BBB   RRR      RRR         TTT          LLL
LLL                  III      BBBBBBBBBBBB   RRRRRRRRRRRR         TTT          LLL
LLL                  III      BBBBBBBBBBBB   RRRRRRRRRRRR         TTT          LLL
LLL                  III      BBBBBBBBBBBB   RRRRRRRRRRRR         TTT          LLL
LLL                  III      BBB      BBB   RRR   RRR            TTT          LLL
LLL                  III      BBB      BBB   RRR   RRR            TTT          LLL
LLL                  III      BBB      BBB   RRR   RRR            TTT          LLL
LLL                  III      BBB      BBB   RRR      RRR         TTT          LLL
LLL                  III      BBB      BBB   RRR      RRR         TTT          LLL
LLL                  III      BBB      BBB   RRR      RRR         TTT          LLL
LLLLLLLLLLLLLLLL     III      BBBBBBBBBBBB   RRR      RRR         TTT          LLLLLLLLLLLLLLLL
LLLLLLLLLLLLLLLL   IIIIIIIIII BBBBBBBBBBBB   RRR      RRR         TTT          LLLLLLLLLLLLLLLL
LLLLLLLLLLLLLLLL   IIIIIIIIII BBBBBBBBBBBB   RRR      RRR         TTT          LLLLLLLLLLLLLLLL
```

LIBEMULAT

LIS

LIB$EMULATE
2-001

F 7
- Dummy substitute for LIB$EMULATE handl 16-SEP-1984 00:07:06   VAX/VMS Macro V04-00   Page   1
                                          6-SEP-1984 11:06:28   [LIBRTL.SRC]LIBEMULAT.MAR;1   (1)

```
0000     1              .TITLE  LIB$EMULATE - Dummy substitute for LIB$EMULATE handler
0000     2              .IDENT  /2-001/                 ; File: LIBEMULAT.MAR Edit: SBL1001
0000     3
0000     4      ;
0000     5      ;*******************************************************************************
0000     6      ;*                                                                             *
0000     7      ;*    COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                                  *
0000     8      ;*    DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.                   *
0000     9      ;*    ALL RIGHTS RESERVED.                                                     *
0000    10      ;*                                                                             *
0000    11      ;*    THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED    *
0000    12      ;*    ONLY IN  ACCORDANCE  WITH  THE  TERMS  OF  SUCH LICENSE  AND WITH THE    *
0000    13      ;*    INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR  ANY  OTHER    *
0000    14      ;*    COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY    *
0000    15      ;*    OTHER PERSON.  NO TITLE TO AND OWNERSHIP OF  THE  SOFTWARE IS  HEREBY    *
0000    16      ;*    TRANSFERRED.                                                             *
0000    17      ;*                                                                             *
0000    18      ;*    THE INFORMATION IN THIS SOFTWARE IS  SUBJECT TO CHANGE WITHOUT NOTICE    *
0000    19      ;*    AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT    *
0000    20      ;*    CORPORATION.                                                             *
0000    21      ;*                                                                             *
0000    22      ;*    DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE  OR  RELIABILITY OF ITS    *
0000    23      ;*    SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.                  *
0000    24      ;*                                                                             *
0000    25      ;*                                                                             *
0000    26      ;*******************************************************************************
0000    27      ;
0000    28
0000    29      ;++
0000    30      ; FACILITY: General Utility Library
0000    31      ;
0000    32      ; ABSTRACT:
0000    33      ;
0000    34      ;     This module contains the condition handler LIB$EMULATE, which only
0000    35      ;     returns SS$_RESIGNAL.
0000    36      ;
0000    37      ; ENVIRONMENT: Runs at any access mode, AST Reentrant
0000    38      ;
0000    39      ; AUTHOR: Steven B. Lionel, CREATION DATE: 23-May-1983
0000    40      ;
0000    41      ; MODIFIED BY:
0000    42      ;
0000    43      ; 2-001 - Replacement for LIB$EMULATE 1-012. SBL 23-May-1983
0000    44      ;--
```

LIB$EMULATE
2-001

G 7
- Dummy substitute for LIB$EMULATE handl 16-SEP-1984 00:07:06   VAX/VMS Macro V04-00   Page   2
DECLARATIONS   6-SEP-1984 11:06:28   [LIBRTL.SRC]LIBEMULAT.MAR;1   (2)

```
            0000        46              .SBTTL  DECLARATIONS
            0000        47 ;
            0000        48 ; LIBRARY MACRO CALLS:
            0000        49 ;
            0000        50      $SSDEF                  ; SS$_ symbols
            0000        51 ;
            0000        52 ; EXTERNAL DECLARATIONS:
            0000        53 ;
            0000        54      .DSABL  GBL             ; Force all external symbols to be declared
            0000        55
            0000        56 ;
            0000        57 ; MACROS:
            0000        58 ;
            0000        59      NONE
            0000        60 ;
            0000        61 ; EQUATED SYMBOLS:
            0000        62 ;
            0000        63      NONE
            0000        64 ;
            0000        65 ; OWN STORAGE:
            0000        66 ;
            0000        67      NONE
            0000        68 ;
            0000        69 ; PSECT DECLARATIONS:
            0000        70 ;
        00000000        71      .PSECT _LIB$CODE PIC, USR, CON, REL, LCL, SHR, -
            0000        72                       EXE, RD, NOWRT, LONG
            0000        73
```

LIB$EMULATE
2-001

H 7
- Dummy substitute for LIB$EMULATE handl 16-SEP-1984 00:07:06   VAX/VMS Macro V04-00   Page 3
LIB$EMULATE - Dummy handler replacement   6-SEP-1984 11:06:28 [LIBRTL.SRC]LIBEMULAT.MAR;1   (3)

```
                      0000          75              .SBTTL  LIB$EMULATE - Dummy handler replacement for LIB$EMULATE
                      0000          76      ;++
                      0000          77      ; FUNCTIONAL DESCRIPTION:
                      0000          78      ;
                      0000          79      ;       This dummy condition handler, which only returns SS$_RESIGNAL, is
                      0000          80      ;       a replacement for the LIB$EMULATE floating-point emulation handler
                      0000          81      ;       which was supplied in VAX/VMS V3.0.  Since emulation of floating
                      0000          82      ;       point instructions is now handled automatically by VAX/VMS, (see
                      0000          83      ;       [EMULAT.SRC]FPEMULATE.MAR), user programs no longer need to
                      0000          84      ;       establish LIB$EMULATE as a handler.  However, so that existing
                      0000          85      ;       programs will continue to link properly, this dummy handler replaces
                      0000          86      ;       LIB$EMULATE; it only returns SS$_RESIGNAL.  Since the SS$_OPCDEC
                      0000          87      ;       exception from missing floating instructions will never be seen
                      0000          88      ;       by user programs, this handler is a no-op.
                      0000          89      ;
                      0000          90      ;       Programs which reference LIB$EMULATE can now remove any such
                      0000          91      ;       references.
                      0000          92      ;
                      0000          93      ; CALLING SEQUENCE:
                      0000          94      ;
                      0000          95      ;       ret_status.wlc.v = LIB$EMULATE (signal_args.rr.r, mch_args.rr.r)
                      0000          96      ;
                      0000          97      ; FORMAL PARAMETERS:
                      0000          98      ;
                      0000          99      ;       signal_args     The signal arguments list
                      0000         100      ;
                      0000         101      ;       mch_args        The mechanism arguments list
                      0000         102      ;
                      0000         103      ; IMPLICIT INPUTS:
                      0000         104      ;
                      0000         105      ;       NONE
                      0000         106      ;
                      0000         107      ; IMPLICIT OUTPUTS:
                      0000         108      ;
                      0000         109      ;       NONE
                      0000         110      ;
                      0000         111      ; COMPLETION STATUS:
                      0000         112      ;
                      0000         113      ;       SS$_RESIGNAL - Resignal condition to next handler
                      0000         114      ;
                      0000         115      ; SIDE EFFECTS:
                      0000         116      ;
                      0000         117      ;       NONE
                      0000         118      ;
                      0000         119      ;--
                      0000         120
             0000     0000         121              .ENTRY LIB$EMULATE, ^M<>
                      0002         122
50  0918 8F   3C      0002         123              MOVZWL  #SS$_RESIGNAL, R0        ; Resignal condition to next handler
             04       0007         124              RET                             ; End of routine LIB$EMULATE
                      0008         125
                      0008         126              .END                            ; End of module LIB$EMULATE
```

I 7

LIB$EMULATE   - Dummy substitute for LIB$EMULATE handl 16-SEP-1984 00:07:06 VAX/VMS Macro V04-00   Page 4
Symbol table   6-SEP-1984 11:06:28 [LIBRTL.SRC]LIBEMULAT.MAR;1   (3)

```
LIB$EMULATE                00000000 RG    02
SS$_RESIGNAL             = 00000918
```

```
                              +-----------------+
                              ! Psect synopsis !
                              +-----------------+
```

```
PSECT name                  Allocation          PSECT No.  Attributes
----------                  ----------          ---------  ----------
.   ABS   .                 00000000 (    0.)  00 (   0.)  NOPIC  USR  CON  ABS  LCL NOSHR NOEXE NORD  NOWRT NOVEC BYTE
$ABS$                       00000000 (    0.)  01 (   1.)  NOPIC  USR  CON  ABS  LCL NOSHR  EXE  RD    WRT NOVEC BYTE
_LIB$CODE                   00000008 (    8.)  02 (   2.)   PIC   USR  CON  REL  LCL  SHR   EXE  RD  NOWRT NOVEC LONG
```

```
                        +---------------------------+
                        ! Performance indicators !
                        +---------------------------+
```

```
Phase                    Page faults    CPU Time        Elapsed Time
-----                    -----------    --------        ------------
Initialization                   29    00:00:00.04      00:00:02.23
Command processing              104    00:00:00.34      00:00:03.12
Pass 1                          182    00:00:02.39      00:00:10.65
Symbol table sort                 0    00:00:00.41      00:00:01.19
Pass 2                           37    00:00:00.46      00:00:02.12
Symbol table output               2    00:00:00.01      00:00:00.01
Psect synopsis output             2    00:00:00.02      00:00:00.02
Cross-reference output            0    00:00:00.00      00:00:00.00
Assembler run totals            358    00:00:03.67      00:00:19.34
```

The working set limit was 1200 pages.
19494 bytes (39 pages) of virtual memory were used to buffer the intermediate code.
There were 30 pages of symbol table space allocated to hold 408 non-local and 0 local symbols.
126 source lines were read in Pass 1, producing 12 object records in Pass 2.
8 pages of virtual memory were used to define 7 macros.

```
                        +-------------------------------+
                        ! Macro library statistics !
                        +-------------------------------+
```

```
Macro library name                      Macros defined
------------------                      --------------
_$255$DUA28:[SYSLIB]STARLET.MLB;2              4
```

469 GETS were required to define 4 macros.

There were no errors, warnings or information messages.

MACRO/ENABLE=SUPPRESSION/DISABLE=(GLOBAL,TRACEBACK)/LIS=LIS$:LIBEMULAT/OBJ=OBJ$:LIBEMULAT MSRC$:LIBEMULAT/UPDATE=(ENH$:LIBEMULAT)

LIBEMODH
LIS

LIBEMODD
LIS

LIBESTEMU
LIS

LIBEF
LIS

LIBEMULAT
LIS

LIBFFS
LIS

LIBFINCVT
LIS

LIBE2AREV
LIS

LIBFAO
LIS

LIBEMODG
LIS

LIBEXTV
LIS

LIBEDIV
LIS

LIBESTABL
LIS

LIBFFC
LIS

LIBEMODF
LIS

LIBEMUL
LIS

LIBFILSCA
LIS

LIBEXTZV
LIS

LIBEBCASC
LIS

LIBFAOL
LIS