


```

LL      IIIIII  BBBB8888  EEEEEEEEE  MM      MM  UU      UU  LL      AAAAAA  TTTTTTTTTT
LL      IIIIII  BBBB8888  EEEEEEEEE  MM      MM  UU      UU  LL      AAAAAA  TTTTTTTTTT
LL      II      BB      BB  EE      EE  MMMM  MMMM  UU      UU  LL      AA      AA  TT
LL      II      BB      BB  EE      EE  MMMM  MMMM  UU      UU  LL      AA      AA  TT
LL      II      BB      BB  EE      EE  MM  MM  MM  UU      UU  LL      AA      AA  TT
LL      II      BB      BB  EE      EE  MM  MM  MM  UU      UU  LL      AA      AA  TT
LL      II      BBBB8888  EEEEEEEEE  MM      MM  UU      UU  LL      AA      AA  TT
LL      II      BBBB8888  EEEEEEEEE  MM      MM  UU      UU  LL      AA      AA  TT
LL      II      BB      BB  EE      EE  MM      MM  UU      UU  LL      AAAAAAAAAA  TT
LL      II      BB      BB  EE      EE  MM      MM  UU      UU  LL      AAAAAAAAAA  TT
LL      II      BB      BB  EE      EE  MM      MM  UU      UU  LL      AA      AA  TT
LL      II      BB      BB  EE      EE  MM      MM  UU      UU  LL      AA      AA  TT
LL      II      BB      BB  EE      EE  MM      MM  UU      UU  LL      AA      AA  TT
LLLLLLLLLLLL IIIIII  BBBB8888  EEEEEEEEE  MM      MM  UUUUUUUUUU  LLLLLLLLLL  AA      AA  TT
LLLLLLLLLLLL IIIIII  BBBB8888  EEEEEEEEE  MM      MM  UUUUUUUUUU  LLLLLLLLLL  AA      AA  TT

```

```

LL      IIIIII  SSSSSSSS
LL      IIIIII  SSSSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SSSSSS
LL      II      SSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LLLLLLLLLLLL IIIIII  SSSSSSSS
LLLLLLLLLLLL IIIIII  SSSSSSSS

```

(2) 46
(3) 75

DECLARATIONS
LIBSEMULATE - Dummy handler replacement for LIBSEMULATE

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```
0000 1 .TITLE LIBSEMULATE - Dummy substitute for LIBSEMULATE handler
0000 2 .IDENT 2-001/ ; File: LIBEMULAT.MAR Edit: SBL1001
0000 3
0000 4
0000 5 :*****
0000 6 :*
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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 LIBSEMULATE, which only
0000 35 : returns SSS_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 LIBSEMULATE 1-012. SBL 23-May-1983
0000 44 :--
```

```
0000 46      .SBTTL  DECLARATIONS
0000 47      :
0000 48      : LIBRARY MACRO CALLS:
0000 49      :
0000 50      :     $$$DEF                ; $$$_ 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
```

```

0000 75      .SBTTL LIBSEMULATE - Dummy handler replacement for LIBSEMULATE
0000 76      :++
0000 77      : FUNCTIONAL DESCRIPTION:
0000 78      :
0000 79      : This dummy condition handler, which only returns SSS RESIGNAL, is
0000 80      : a replacement for the LIBSEMULATE 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 LIBSEMULATE as a handler. However, so that existing
0000 85      : programs will continue to link properly, this dummy handler replaces
0000 86      : LIBSEMULATE; it only returns SSS RESIGNAL. Since the SSS 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 LIBSEMULATE can now remove any such
0000 91      : references.
0000 92      :
0000 93      : CALLING SEQUENCE:
0000 94      :
0000 95      :     ret_status.wlc.v = LIBSEMULATE (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     :     SSS_RESIGNAL - Resignal condition to next handler
0000 114     :
0000 115     : SIDE EFFECTS:
0000 116     :
0000 117     :     NONE
0000 118     :
0000 119     :--
0000 120     :
0000 121     :.ENTRY LIBSEMULATE, ^M<>
0000 122     :
50  0918 8F  3C 0002 123     MOVZWL #SSS_RESIGNAL, R0      ; Resignal condition to next handler
0000 124     RET                      ; End of routine LIBSEMULATE
0000 125     :
0000 126     :.END                      ; End of module LIBSEMULATE

```

LIBSEMULATE
Symbol table

LIBSEMULATE
SS\$_RESIGNAL

00000000 RG 02
= 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
\$AB\$\$	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 MSRCS\$:LIBEMULAT/UPDATE=(ENHS\$:LIBEMULAT)

0206 AH-BT13A-SE
VAX/VMS V4.0

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The image displays a grid of 100 small, faint images, each representing a different library (LIB) and its associated Library Information System (LIS). The names of the libraries are arranged in a roughly 10x10 grid. The names are as follows:

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		
					LIBEXTZU LIS				
LIBEBASC LIS									
						LIBFAOL LIS			