

```

LLL               IIIIIIIII
LLL               IIIIIIIII
LLL               IIIIIIIII
LLL               III
LLL               III
LLL               III
LLL               III
LLL               III
LLL               III
LLL               III
LLL               III
LLL               III
LLL               III
LLL               III
LLL               III
LLL               III
LLL               III
LLL               III
LLLLLLLLLLLLLLLL IIIIIIIII
LLLLLLLLLLLLLLLL IIIIIIIII
LLLLLLLLLLLLLLLL IIIIIIIII

BBBBBBBBBBBBBB   BBB
BBBBBBBBBBBBBB   BBB
BBBBBBBBBBBBBB   BBB
BBB               BBB
BBB               BBB
BBB               BBB
BBB               BBB
BBB               BBB
BBBBBBBBBBBBBB   BBB
BBBBBBBBBBBBBB   BBB
BBBBBBBBBBBBBB   BBB
BBB               BBB
BBB               BBB
BBB               BBB
BBB               BBB
BBB               BBB
BBBBBBBBBBBBBB   BBB
BBBBBBBBBBBBBB   BBB
BBBBBBBBBBBBBB   BBB

RRRRRRRRRRRR   RRR
RRRRRRRRRRRR   RRR
RRRRRRRRRRRR   RRR
RRR               RRR
RRR               RRR
RRR               RRR
RRR               RRR
RRR               RRR
RRR               RRR
RRR               RRR
RRR               RRR
RRR               RRR
RRR               RRR
RRR               RRR
RRR               RRR
RRR               RRR
RRR               RRR
RRR               RRR
RRR               RRR
RRR               RRR
RRR               RRR
RRR               RRR
RRR               RRR
RRR               RRR
RRR               RRR

TTTTTTTTTTTTTTTT TTT
TTTTTTTTTTTTTTTT TTT
TTTTTTTTTTTTTTTT TTT
TTT               TTT
TTT               TTT
TTT               TTT
TTT               TTT
TTT               TTT
TTT               TTT
TTT               TTT
TTT               TTT
TTT               TTT
TTT               TTT
TTT               TTT
TTT               TTT
TTT               TTT
TTT               TTT
TTT               TTT
TTT               TTT
TTT               TTT
TTT               TTT
TTT               TTT
TTT               TTT
TTT               TTT
TTT               TTT
TTT               TTT

LLL               LLL
LLL               LLL
LLL               LLL
LLL               LLL
LLL               LLL
LLL               LLL
LLL               LLL
LLL               LLL
LLL               LLL
LLL               LLL
LLL               LLL
LLL               LLL
LLL               LLL
LLL               LLL
LLL               LLL
LLL               LLL
LLL               LLL
LLL               LLL
LLLLLLLLLLLLLLLL LLL
LLLLLLLLLLLLLLLL LLL
LLLLLLLLLLLLLLLL LLL

```

Sy

LI

LI

LI

LI

LI

LI

LI

LI

LI

LI

LI

LI

LI

LI

LI

LI

LI

LI

LI

LI

LI

LI

LI

LI

LI

LI

LI

LI

LI

LI

LI

LI

LI

LI

LI

```

LL      IIIIII  BBBB8888  EEEEEEEEE  SSSSSSSS  TTTTTTTTT  EEEEEEEEE  MM      MM  UU      UU
LL      IIIIII  BBBB8888  EEEEEEEEE  SSSSSSSS  TTTTTTTTT  EEEEEEEEE  MM      MM  UU      UU
LL      II      BBBB8888  EE          SS          TT          EE          MMMM  MMMM  UU      UU
LL      II      BB      BB  EE          SS          TT          EE          MMMM  MMMM  UU      UU
LL      II      BB      BB  EE          SS          TT          EE          MM  MM  MM  UU      UU
LL      II      BB      BB  EE          SS          TT          EE          MM  MM  MM  UU      UU
LL      II      BBBB8888  EEEEEEEEE  SSSSSS          TT          EEEEEEEEE  MM      MM  UU      UU
LL      II      BBBB8888  EEEEEEEEE  SSSSSS          TT          EEEEEEEEE  MM      MM  UU      UU
LL      II      BB      BB  EE          SS          TT          EE          MM      MM  UU      UU
LL      II      BB      BB  EE          SS          TT          EE          MM      MM  UU      UU
LL      II      BB      BB  EE          SS          TT          EE          MM      MM  UU      UU
LL      II      BB      BB  EE          SS          TT          EE          MM      MM  UU      UU
LLLLLLLL  IIIIII  BBBB8888  EEEEEEEEE  SSSSSSSS  TT          EEEEEEEEE  MM      MM  UUUUUUUUU  ....
LLLLLLLL  IIIIII  BBBB8888  EEEEEEEEE  SSSSSSSS  TT          EEEEEEEEE  MM      MM  UUUUUUUUU  ....

```

```

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
LLLLLLLL  IIIIII  SSSSSSSS
LLLLLLLL  IIIIII  SSSSSSSS

```

```
0000 1 .TITLE LIB$ESTEMU - Establish instruction emulator
0000 2 .IDENT 1-003/ ; File: LIB$ESTEMU.MAR Edit: SBL1003
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 : Inclusion of this module in an image used to enable
0000 35 : LIB$EMULATE, the optional instruction emulator, on the stack.
0000 36 : Since LIB$EMULATE has been obsoleted by VAX/VMS automatic
0000 37 : emulation of floating instructions, this module is also obsolete.
0000 38 :
0000 39 : ENVIRONMENT: No executeable code
0000 40 :
0000 41 : AUTHOR: Steven B. Lionel, CREATION DATE: 11-JAN-1980
0000 42 :
0000 43 : MODIFIED BY:
0000 44 :
0000 45 : 1-001 - Original. SBL 11-JAN-1980
0000 46 : 1-002 - Rename to LIB$ESTEMU. Module is now in STARLET.OLB. SBL 17-Jan-1980
0000 47 : 1-003 - Make module a complete no-op, but it must remain for those who
0000 48 : explicitly link it in. SBL 23-May-1983
0000 49 :--
0000 50 :
0000 51 .END ; End of module LIB$ESTEMU
```

! Psect synopsis !

<u>PSECT name</u>	<u>Allocation</u>	<u>PSECT No.</u>	<u>Attributes</u>												
. ABS .	00000000 (0.) 00 (0.)	NOPIC	USR	CON	ABS	LCL	NOSHR	NOEXE	NORD	NOWRT	NOVEC	BYTE	

! Performance indicators !

<u>Phase</u>	<u>Page faults</u>	<u>CPU Time</u>	<u>Elapsed Time</u>
Initialization	35	00:00:00.02	00:00:03.43
Command processing	130	00:00:00.35	00:00:02.96
Pass 1	51	00:00:00.12	00:00:02.63
Symbol table sort	0	00:00:00.00	00:00:00.00
Pass 2	26	00:00:00.10	00:00:00.91
Symbol table output	1	00:00:00.00	00:00:00.00
Psect synopsis output	2	00:00:00.01	00:00:00.01
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	248	00:00:00.62	00:00:09.96

The working set limit was 900 pages.
 420 bytes (1 page) of virtual memory were used to buffer the intermediate code.
 There were 0 pages of symbol table space allocated to hold 0 non-local and 0 local symbols.
 51 source lines were read in Pass 1, producing 5 object records in Pass 2.
 0 pages of virtual memory were used to define 0 macros.

! Macro library statistics !

<u>Macro library name</u>	<u>Macros defined</u>
_\$255\$DUA28:[SYSLIB]STARLET.MLB;2	0

0 GETS were required to define 0 macros.

There were no errors, warnings or information messages.

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

