


```

FFFFFFFFF 000000 RRRRRRRR EEEEEEEEEE XX XX IIIIII TTTTTTTTTT
FFFFFFFFF 000000 RRRRRRRR EEEEEEEEEE XX XX IIIIII TTTTTTTTTT
FF 00 00 RR RR EE XX XX II TT
FF 00 00 RR RR EE XX XX II TT
FF 00 00 RR RR EE XX XX II TT
FFFFFFFF 00 00 RRRRRRRR EEEEEEEEEE XX XX II TT
FFFFFFFF 00 00 RRRRRRRR EEEEEEEEEE XX XX II TT
FF 00 00 RR RR EE XX XX II TT
FF 00 00 RR RR EE XX XX II TT
FF 00 00 RR RR EE XX XX II TT
FF 00 00 RR RR EE XX XX II TT
FF 000000 RR RR EEEEEEEEEE XX XX IIIIII TTTTTTTTTT
FF 000000 RR RR EEEEEEEEEE XX XX IIIIII TTTTTTTTTT

```

```

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 IIIIII SSSSSSSS
LLLLLLLLLL IIIIII SSSSSSSS
LLLLLLLLLL IIIIII SSSSSSSS

```

: R
:

(2)	41	Version History
(3)	56	DECLARATIONS
(4)	83	FORSEXIT - exit program

.....

```

0000 1      .TITLE FORSEXIT - FORTRAN CALL EXIT
0000 2      .IDENT /1-005/ ; File: FOREXIT.MAR Edit: SBL1005
0000 3
0000 4
0000 5
0000 6 :*****
0000 7 :*
0000 8 :* COPYRIGHT (c) 1978, 1980, 1982, 1984 BY *
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0000 25 :*
0000 26 :*
0000 27 :*****
0000 28 :
0000 29 :
0000 30 :++
0000 31 : FACILITY: FORTRAN Support Library
0000 32 :
0000 33 : ABSTRACT:
0000 34 :
0000 35 :     Call system service $EXIT to exit program.
0000 36 :
0000 37 : ENVIRONMENT: User Mode, AST Reentrant
0000 38 :
0000 39 :--

```

```
0000 41      .SBTTL Version History
0000 42
0000 43      VERSION 1-001
0000 44      : AUTHOR: Jonathan M. Taylor, CREATION DATE: 25-Jan-78
0000 45      :
0000 46      : JMT, 25-Jan-78 : VERSION 0
0000 47      :
0000 48      : 0-1 - Original
0000 49      : 0-2 - Pass optional user parameter as completion code. JMT 27-Jan-78
0000 50      : 1-001 - Update version number and copyright notice. JBS 16-NOV-78
0000 51      : 1-002 - Add "" to the PSECT directive. JBS 22-DEC-78
0000 52      : 1-003 - Declare externals. SBL 17-May-1979
0000 53      : 1-004 - Longword entry was moving word and vice versa! Fix it! SBL 22-Jan-1980
0000 54      : 1-005 - Use general mode addressing. SBL 30-Nov-1981
```

```
0000 56      .SBTTL  DECLARATIONS
0000 57      :
0000 58      : INCLUDE FILES:
0000 59      :
0000 60      :
0000 61      :
0000 62      : MACROS:
0000 63      :
0000 64      :
0000 65      :
0000 66      : EXTERNAL SYMBOLS:
0000 67      :
0000 68      :     .DSABL  GBL
0000 69      :     .EXTRN  SYS$EXIT
0000 70      :
0000 71      :
0000 72      : EQUATED SYMBOLS:
0000 73      :
0000 74      :
0000 75      : OWN STORAGE:
0000 76      :
0000 77      :
0000 78      :
0000 79      : PSECT DECLARATIONS:
0000 80      :
00000000 81      :     .PSECT _FOR$CODE PIC, SHR, LONG, EXE, NOWRT
```

...

: F

...

...

```

0000 83      .SBTTL  FOR$EXIT      - exit program
0000 84
0000 85      :++
0000 86      : FUNCTIONAL DESCRIPTION:
0000 87      :
0000 88      :     Call system service EXIT to exit to CLI. Completion code value
0000 89      :     is 1 unless user provided one as an optional argument.
0000 90
0000 91      : CALLING SEQUENCE:
0000 92
0000 93      :     FOR$EXIT [(completion_code)]
0000 94
0000 95      : INPUT PARAMETERS:
0000 96
0000 97      :     NONE
0000 98
0000 99      : IMPLICIT INPUTS:
0000 100
0000 101     :     NONE
0000 102
0000 103    : OUTPUT PARAMETERS:
0000 104
0000 105    :     NONE
0000 106
0000 107    : IMPLICIT OUTPUTS:
0000 108
0000 109    :     NONE
0000 110
0000 111    : FUNCTION VALUE:
0000 112
0000 113
0000 114    : SIDE EFFECTS:
0000 115
0000 116    :     NONE
0000 117
0000 118    :--
0000 119
0000 120    .ENTRY  FOR$EXIT_W, 0
0000 121    TSTB   (AP)
0000 122    BEQL   CALL_1
0000 123    MOVZWL @4(AP), -(SP)
0000 124    BRB   CALLIT
0000 125
0000 126    .ENTRY  FOR$EXIT, 0
0000 127    TSTB   (AP)
0000 128    BEQL   CALL_1
0000 129    PUSHL  @4(AP)
0000 130    CALLIT:
0000 131    CALLS  #1, G^SYS$EXIT
0000 132    CALL_1:
0000 133    PUSHL  #1
0000 134    BRB   CALLIT
0000 135
0000 136
0000 137    .END

```

```

0000 0000
6C 95
16 13
7E 04 BC 3C 0006
09 11 000A

```

```

0000 000C
6C 95 000E
0A 13 0010
04 BC DD 0012
0000 0015
00000000*GF 01 FB 0015
001C 131
01 DD 001C 132
F5 11 001E 133
0020 134
0020 135
0020 136
0020 137

```

FOR\$EXIT
Symbol table

- FORTRAN CALL EXIT

B 8

15-SEP-1984 23:52:41
6-SEP-1984 10:55:49

VAX/VMS Macro V04-00
[FORRTL.SRC]FOREXIT.MAR;1

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(4)

CALLIT	00000015	R	01
CALL 1	0000001C	R	01
FOR\$EXIT	0000000C	RG	01
FOR\$EXIT_W	00000000	RG	01
SYS\$EXIT	*****	X	00

! Psect synopsis !

PSECT name	Allocation	PSECT No.	Attributes										
ABS	00000000 (0.)	00 (0.)	NOPIC	USR	CON	ABS	LCL	NOSHR	NOEXE	NORD	NOWRT	NOVEC	BYTE
_FOR\$CODE	00000020 (32.)	01 (1.)	PIC	USR	CON	REL	LCL	SHR	EXE	RD	NOWRT	NOVEC	LONG

! Performance indicators !

Phase	Page faults	CPU Time	Elapsed Time
Initialization	29	00:00:00.07	00:00:00.92
Command processing	117	00:00:00.42	00:00:03.16
Pass 1	69	00:00:00.40	00:00:02.48
Symbol table sort	0	00:00:00.00	00:00:00.00
Pass 2	38	00:00:00.31	00:00:01.88
Symbol table output	2	00:00:00.02	00:00:00.04
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	259	00:00:01.24	00:00:08.50

The working set limit was 900 pages.
 1387 bytes (3 pages) of virtual memory were used to buffer the intermediate code.
 There were 10 pages of symbol table space allocated to hold 5 non-local and 0 local symbols.
 137 source lines were read in Pass 1, producing 14 object records in Pass 2.
 0 pages of virtual memory were used to define 0 macros.

! Macro library statistics !

Macro library name	Macros defined
_\$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\$:FOREXIT/OBJ=OBJ\$:FOREXIT MSRC\$:FOREXIT/UPDATE=(ENH\$:FOREXIT)

A dense grid of approximately 12 columns and 15 rows of terminal screens, each displaying a different utility program. The programs are arranged in a regular pattern and include the following titles:

- FORFIND LIS (top row, second column)
- FORFMTINT LIS (top row, tenth column)
- FOREXITHA LIS (second row, seventh column)
- FORENODEF LIS (third row, fifth column)
- FORENCOMF LIS (fifth row, first column)
- FORIDATE LIS (fifth row, eleventh column)
- FORENDFIL LIS (seventh row, second column)
- FORERRSNS LIS (seventh row, fourth column)
- FOREXIT LIS (seventh row, sixth column)
- FORRROR LIS (eighth row, fourth column)
- FORMTCR LIS (eleventh row, eighth column)
- FORENCOMO LIS (thirteenth row, first column)
- FORINIDES LIS (thirteenth row, eleventh column)

Each terminal screen contains a monospaced text-based interface, typical of early computing systems, with various headers, prompts, and data listings.