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EEEEEEEEEE XX XX EEEEEEEEEE CCCCCCCC IIIIII MM MM AAAAAA GGGGGGGG EEEEEEEEEE
EEEEEEEEEE XX XX EEEEEEEEEE CCCCCCCC IIIIII MM MM AAAAAA GGGGGGGG EEEEEEEEEE
EE XX XX EE CC CC II II MMMM MMMM AA AA GG GGGGGGGG EE
EE XX XX EE CC CC II II MMMM MMMM AA AA GG GGGGGGGG EE
EE XX XX EE CC CC II II MM MM AA AA GG GGGGGGGG EE
EEEEEEEEEE XX XX EEEEEEEEEE CCCCCCCC IIIIII MM MM AA AA GG GGGGGGGG EEEEEEEEEE
EEEEEEEEEE XX XX EEEEEEEEEE CCCCCCCC IIIIII MM MM AA AA GG GGGGGGGG EEEEEEEEEE
EE XX XX EE CC CC II II MM MM AAAAAAAAAA GG GGGGGG EE
EE XX XX EE CC CC II II MM MM AAAAAAAAAA GG GGGGGG EE
EE XX XX EE CC CC II II MM MM AA AA GG GG EE
EE XX XX EE CC CC II II MM MM AA AA GG GG EE
EEEEEEEEEE XX XX EEEEEEEEEE CCCCCCCC IIIIII MM MM AA AA GGGGGG EEEEEEEEEE
EEEEEEEEEE XX XX EEEEEEEEEE CCCCCCCC IIIIII MM MM AA AA GGGGGG EEEEEEEEEE

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LL IIIIII SSSSSSSS
LL IIIIII SSSSSSSS
LL II SS
LL II SS
LL II SS
LL II SSSSSS
LL II SSSSSS
LL II SS
LL II SS
LL II SS
LLLLLLLLLL IIIIII SSSSSSSS
LLLLLLLLLL IIIIII SSSSSSSS

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```

0000 1      .Title Exec_image
0000 2      .Ident /V04=000/
0000 3
0000 4      :*****
0000 5      :*
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0000 23     :*
0000 24     :*
0000 25     :*****
0000 26
0000 27
0000 28     Input:
0000 29
0000 30     call exec_image (ixfer,....)
0000 31
0000 32     4(ap) = address of loaded image to be call
0000 33     8(ap) = address of first parameter to be passed to loaded image
0000 34     :
0000 35     :
0000 36     :
0000 37     This routine puts the address of the target routine in R4 and pushes
0000 38     all other arguments on the stack and calls the target routine.
0000 39
0000 40     .psect   _img$code,exe,nowrt,pic,shr,gb1
0000 41     .entry   exec_image,^m<r2,r3,r4,r5,r6,r7,r8,r9,r10,r11>
53  01  6C  C1  0002 42     addl3    (ap),#1,R3           ; Bump the arg. count
53  04  53  C5  0006 43     mull3    r3,#4,r3           ; Calc. offset to last arg. + 1 longword
53  53  5C  C1  000A 44     addl3    ap,r3,r3           ; Add offset to base to get address
52  6C  01  C3  000E 45     subl3    #1,(ap),r2        ; Adjust arg. count for loop count
    54  52  D0  0012 46     movl     r2,r4              ; Set arg count for call
    73  DD  0015 47 10$:   pushl    -(r3)              ; Put arguments on the stack
    FE  52  F5  0017 48     sobgtr   r2,10$            ; Do we have all arg?
50  04  AC  D0  001A 49     movl     4(ap),r0           ; Yes, then get target routine addr
00  B0  54  FB  001E 50     calls    r4,a(r0)          ; Go to it
    04  0022 51     ret
    0023 52
    0023 53     .end

```

EXEC_IMAGE
Symbol table

E 7

15-SEP-1984 23:57:59 VAX/VMS Macro V04-00
5-SEP-1984 11:35:40 [ERF.SRC]EXECIMAGE.MAR;1

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(1)

EXEC_IMAGE 00000000 RG 01

! Psect synopsis !

PSECT name	Allocation	PSECT No.	Attributes												
ABS	00000000 (0.)	00 (0.)	NOPIC	USR	CON	ABS	LCL	NOSHR	NOEXE	NORD	NOWRT	NOVEC	BYTE		
_IMG\$CODE	00000023 (35.)	01 (1.)	PIC	USR	CON	REL	GBL	SHR	EXE	RD	NOWRT	NOVEC	BYTE		

! Performance indicators !

Phase	Page faults	CPU Time	Elapsed Time
Initialization	29	00:00:00.03	00:00:00.42
Command processing	107	00:00:00.47	00:00:02.31
Pass 1	66	00:00:00.28	00:00:00.91
Symbol table sort	0	00:00:00.00	00:00:00.00
Pass 2	31	00:00:00.16	00:00:00.62
Symbol table output	2	00:00:00.01	00:00:00.01
Psect synopsis output	1	00:00:00.02	00:00:00.02
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	239	00:00:00.97	00:00:04.29

The working set limit was 750 pages.
741 bytes (2 pages) of virtual memory were used to buffer the intermediate code.
There were 10 pages of symbol table space allocated to hold 1 non-local and 1 local symbols.
53 source lines were read in Pass 1, producing 13 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/LIS=LISS:EXECIMAGE/OBJ=OBJ\$:EXECIMAGE MSRC\$:EXECIMAGE/UPDATE=(ENH\$:EXECIMAGE)

ERFSUMM LIS	ERFSTAPE LIS	ERFSTAPEVE LIS	ERFLOGS LIS	ERFLOGMSG LIS	ERFRTVEC LIS	ERFSUMVEC LIS
EXECIMAGE LIS	FILES LIS	GETCODE LIS	HEADER LIS	IMAGLOAD LIS	INITPROC1 LIS	INITREAL LIS
INITBUS LIS	INITPROC4 LIS	INITPROC2 LIS	INITPROC3 LIS	INITPROC5 LIS	INTERVENE LIS	RM53271 LIS
INITPROC3 LIS	INITPROC4 LIS	INITPROC5 LIS	INITPROC6 LIS	INITPROC7 LIS	INITPROC8 LIS	INITPROC9 LIS
INITPROC10 LIS	INITPROC11 LIS	INITPROC12 LIS	INITPROC13 LIS	INITPROC14 LIS	INITPROC15 LIS	INITPROC16 LIS
INITPROC17 LIS	INITPROC18 LIS	INITPROC19 LIS	INITPROC20 LIS	INITPROC21 LIS	INITPROC22 LIS	INITPROC23 LIS
INITPROC24 LIS	INITPROC25 LIS	INITPROC26 LIS	INITPROC27 LIS	INITPROC28 LIS	INITPROC29 LIS	INITPROC30 LIS
INITPROC31 LIS	INITPROC32 LIS	INITPROC33 LIS	INITPROC34 LIS	INITPROC35 LIS	INITPROC36 LIS	INITPROC37 LIS
INITPROC38 LIS	INITPROC39 LIS	INITPROC40 LIS	INITPROC41 LIS	INITPROC42 LIS	INITPROC43 LIS	INITPROC44 LIS
INITPROC45 LIS	INITPROC46 LIS	INITPROC47 LIS	INITPROC48 LIS	INITPROC49 LIS	INITPROC50 LIS	INITPROC51 LIS
INITPROC52 LIS	INITPROC53 LIS	INITPROC54 LIS	INITPROC55 LIS	INITPROC56 LIS	INITPROC57 LIS	INITPROC58 LIS
INITPROC59 LIS	INITPROC60 LIS	INITPROC61 LIS	INITPROC62 LIS	INITPROC63 LIS	INITPROC64 LIS	INITPROC65 LIS
INITPROC66 LIS	INITPROC67 LIS	INITPROC68 LIS	INITPROC69 LIS	INITPROC70 LIS	INITPROC71 LIS	INITPROC72 LIS
INITPROC73 LIS	INITPROC74 LIS	INITPROC75 LIS	INITPROC76 LIS	INITPROC77 LIS	INITPROC78 LIS	INITPROC79 LIS
INITPROC80 LIS	INITPROC81 LIS	INITPROC82 LIS	INITPROC83 LIS	INITPROC84 LIS	INITPROC85 LIS	INITPROC86 LIS
INITPROC87 LIS	INITPROC88 LIS	INITPROC89 LIS	INITPROC90 LIS	INITPROC91 LIS	INITPROC92 LIS	INITPROC93 LIS
INITPROC94 LIS	INITPROC95 LIS	INITPROC96 LIS	INITPROC97 LIS	INITPROC98 LIS	INITPROC99 LIS	INITPROC100 LIS