



```

MM      MM      AAAAAA      IIIIII      NN      NN
MM      MM      AAAAAA      IIIIII      NN      NN
MMM     MMM     AA        AA      II      NN      NN
MMM     MMM     AA        AA      II      NN      NN
MM      MM      AA        AA      II      NNNN     NN
MM      MM      AA        AA      II      NNNN     NN
MM      MM      AA        AA      II      NN      NN
MM      MM      AA        AA      II      NN      NN
MM      MM      AA        AA      II      NN      NN
MM      MM      AAAAAAAAAA      II      NN      NNNN
MM      MM      AAAAAAAAAA      II      NN      NNNN
MM      MM      AA        AA      II      NN      NN
MM      MM      AA        AA      II      NN      NN
MM      MM      AA        AA      IIIIII     NN      NN
MM      MM      AA        AA      IIIIII     NN      NN

```

```

...
...
...
...

```

```

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

```

MAIN  
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SUM  
Tab

(2)	48	DECLARATIONS
(3)	54	MAIN LINE CODE

```

0000 1      .TITLE  MAIN
0000 2      .IDENT  'V04-000'
0000 3
0000 4      *****
0000 5      *
0000 6      *  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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0000 21     *  DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS
0000 22     *  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0000 23     *
0000 24     *
0000 25     *****
0000 26
0000 27
0000 28     ++
0000 29
0000 30     Facility:
0000 31
0000 32         SUMSLP utility
0000 33
0000 34     Environment:
0000 35
0000 36         User mode
0000 37
0000 38     Author:
0000 39
0000 40         R. Newland      18-Apr-1979
0000 41
0000 42     Modified by:
0000 43
0000 44         V03-001 BLS0173      Benn Schreiber      26-MAY-1982
0000 45         Use general addressing mode for SUM$XXX_ERR calls
0000 46     --

```

DECLARATIONS

0000 48  
0000 49 :  
0000 50 :  
0000 51 :  
0000 52

.SBTTL DECLARATIONS

\$CLIDF ; Define CLI offsets  
\$STSDEF ; Define status condition values

```

MAIN LINE CODE
      0000 54      .SBTTL MAIN LINE CODE
      0000 55      :
      0000 56      :
0000 0000 57      .PSECT SUM$CODE,EXE,NOWRT
      0000 58
0000 0000 59      .ENTRY SUM$START,^M<>
      0002 60      :
0000'CF 08 AC D0 0002 61      MOVL  CLISA_UTILSERV(AP), - ; Save CLI call back address
      0008 62      W^SUM$GL_CLIADDR
      0008 63      :
      0008 64      : Open terminal output file
      0008 65      :
      0008 66      $OPEN  FAB = W^SUM$AX TERMFAB,-
      0008 67      ERR = G^SUM$OPEN_ERR
      1D 50 E9 0019 68      BLBC  R0,10$ ; Error if LBC
      001C 69      :
      001C 70      $CONNECT RAB= W^SUM$AX TERMRAB,-
      001C 71      ERR = G^SUM$OPEN_ERR
      09 50 E9 002D 72      BLBC  R0,10$ ; Error if LBC
      0030 73      :
      FFC7' 30 0030 74      BSBW  SUM$GETCMD ; Get command line from CLI
      03 50 E9 0033 75      BLBC  R0,10$ ; Error if LBC
      0036 76      :
      FFC7' 30 0036 77      BSBW  SUM$UPDATE ; Perform update operation
      0039 78 10$:
00 50 1C E2 0039 79      BBSS  #ST$V_INHIB_MSG,R0,20$
      003D 80 20$:
      04 003D 81      RET
      003E 82      :
      003E 83      :
      003E 84      .END  SUM$START

```

MAIN  
Symbol table

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5-SEP-1984 03:38:31 [SUM.SRC]MAIN.MAR;1

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SUM  
V04

```

$$TMP1      = 00000002
$$TMP2      = 000000CF
CLISA_UTILSERV = 00000008
STSSV-INHIB MSG = 0000001C
SUM$AX_TERM$FAB ***** X 02
SUM$AX_TERM$RAB ***** X 02
SUM$GETCMD ***** X 02
SUM$GL_CLIADDR ***** X 02
SUM$OPEN_ERR ***** X 02
SUM$START 00000000 RG 02
SUM$UPDATE ***** X 02
SYSS$CONNECT ***** GX 02
SYSS$OPEN ***** GX 02
  
```

-----  
! Psect synopsis !  
-----

PSECT name	Allocation	PSECT No.	Attributes
. ABS .	00000000 ( 0.)	00 ( 0.)	NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
\$ABSS	00000000 ( 0.)	01 ( 1.)	NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE
SUM\$CODE	0000003E ( 62.)	02 ( 2.)	NOPIC USR CON REL LCL NOSHR EXE RD NOWRT NOVEC BYTE

-----  
! Performance indicators !  
-----

Phase	Page faults	CPU Time	Elapsed Time
Initialization	30	00:00:00.09	00:00:00.66
Command processing	116	00:00:00.55	00:00:02.28
Pass 1	163	00:00:02.58	00:00:06.45
Symbol table sort	0	00:00:00.33	00:00:00.35
Pass 2	35	00:00:00.49	00:00:01.26
Symbol table output	3	00:00:00.01	00:00:00.02
Psect synopsis output	1	00:00:00.03	00:00:00.03
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	350	00:00:04.08	00:00:11.05

The working set limit was 900 pages.  
12314 bytes (25 pages) of virtual memory were used to buffer the intermediate code.  
There were 20 pages of symbol table space allocated to hold 231 non-local and 2 local symbols.  
84 source lines were read in Pass 1, producing 16 object records in Pass 2.  
13 pages of virtual memory were used to define 11 macros.

-----  
! Macro library statistics !  
-----

Macro library name	Macros defined
-\$255\$DUA28:[SUM.OBJ]SUM.MLB;1	0
-\$255\$DUA28:[SYSLIB]STARLET.MLB;2	8
TOTALS (all libraries)	8

334 GETS were required to define 8 macros.

MAIN  
VAX-11 Macro Run Statistics

F 13

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5-SEP-1984 03:38:31 [SUM.SRC]MAIN.MAR;1

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SUP  
V04

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$:MAIN/OBJ=OBJ\$:MAIN MSRC\$:MAIN/UPDATE=(ENH\$:MAIN)+LIB\$:SUM/LIB



