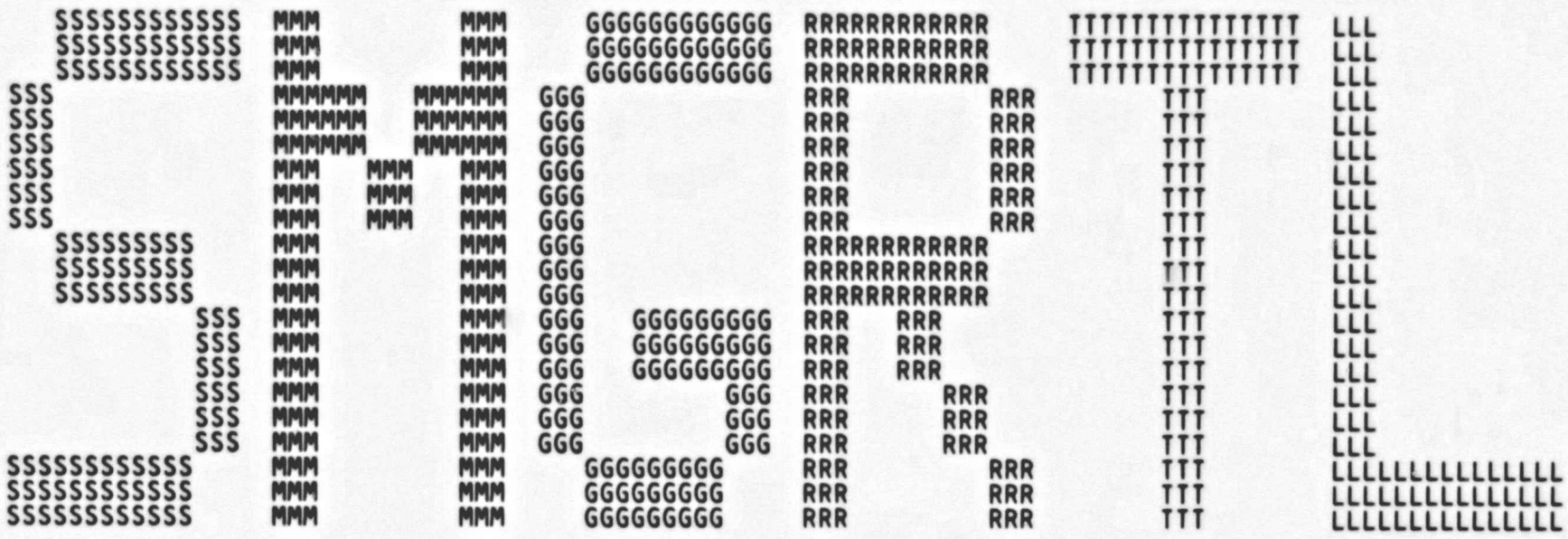
SSSSSSSSSSS MMM MMM GGGGGGGGGGG RRRRRRRRRRR TTTTTTTTTTTTTTT LLL
SSSSSSSSSSS MMM MMM GGGGGGGGGGG RRRRRRRRRRR TTTTTTTTTTTTTTT LLL
SSSSSSSSSSS MMM MMM GGGGGGGGGGG RRRRRRRRRRR TTTTTTTTTTTTTTT LLL
SSS MMMMMM MMMMMM GGG RRR RRR TTT LLL
SSS MMMMMM MMMMMM GGG RRR RRR TTT LLL
SSS MMMMMM MMMMMM GGG RRR RRR TTT LLL
SSS MMM MMM MMM GGG RRR RRR TTT LLL
SSS MMM MMM MMM GGG RRR RRR TTT LLL
SSS MMM MMM MMM GGG RRR RRR TTT LLL
SSSSSSSSS MMM MMM GGG RRRRRRRRRRR TTT LLL
SSSSSSSSS MMM MMM GGG RRRRRRRRRRR TTT LLL
SSSSSSSSS MMM MMM GGG RRRRRRRRRRR TTT LLL
SSS MMM MMM GGG GGGGGGGGG RRR RRR TTT LLL
SSS MMM MMM GGG GGGGGGGGG RRR RRR TTT LLL
SSS MMM MMM GGG GGGGGGGGG RRR RRR TTT LLL
SSS MMM MMM GGG GGG RRR RRR TTT LLL
SSS MMM MMM GGG GGG RRR RRR TTT LLL
SSS MMM MMM GGG GGG RRR RRR TTT LLL
SSSSSSSSSSS MMM MMM GGGGGGGGG RRR RRR TTT LLLLLLLLLLLLLLL
SSSSSSSSSSS MMM MMM GGGGGGGGG RRR RRR TTT LLLLLLLLLLLLLLL
SSSSSSSSSSS MMM MMM GGGGGGGGG RRR RRR TTT LLLLLLLLLLLLLLL

```
  SSSSSSSS  MM      MM    GGGGGGGG  NN      NN  UU      UU  MM      MM  PPPPPPPP     AAAAAA    RRRRRRRR
  SSSSSSSS  MM      MM    GGGGGGGG  NN      NN  UU      UU  MM      MM  PPPPPPPP     AAAAAA    RRRRRRRR
SS          MMMM  MMMM  GG        NN      NN  UU      UU  MMMM  MMMM  PP      PP   AA    AA  RR      RR
SS          MMMM  MMMM  GG        NN      NN  UU      UU  MMMM  MMMM  PP      PP   AA    AA  RR      RR
SS          MM  MM  MM  GG        NNNN    NN  UU      UU  MM  MM  MM  PP      PP   AA    AA  RR      RR
SS          MM  MM  MM  GG        NNNN    NN  UU      UU  MM  MM  MM  PP      PP   AA    AA  RR      RR
  SSSSSS    MM      MM  GG        NN  NN  NN  UU      UU  MM      MM  PPPPPPPP     AA    AA  RRRRRRRR
  SSSSSS    MM      MM  GG        NN  NN  NN  UU      UU  MM      MM  PPPPPPPP     AA    AA  RRRRRRRR
        SS  MM      MM  GG  GGGGGG  NN    NNNN  UU      UU  MM      MM  PP           AAAAAAAAAA  RR  RR
        SS  MM      MM  GG  GGGGGG  NN    NNNN  UU      UU  MM      MM  PP           AAAAAAAAAA  RR  RR
        SS  MM      MM  GG      GG  NN      NN  UU      UU  MM      MM  PP           AA    AA  RR    RR      ....
        SS  MM      MM  GG      GG  NN      NN  UU      UU  MM      MM  PP           AA    AA  RR    RR      ....
SSSSSSSS    MM      MM    GGGGGG    NN      NN  UUUUUUUUUU  MM      MM  PP           AA    AA  RR      RR    ....
SSSSSSSS    MM      MM    GGGGGG    NN      NN  UUUUUUUUUU  MM      MM  PP           AA    AA  RR      RR    ....

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
LLLLLLLLLL      IIIIII    SSSSSSSS
LLLLLLLLLL      IIIIII    SSSSSSSS
```

```
;  1          0001  0 %TITLE 'SMG$$NUMBER_PARAMETERS - Define the number of parameters for caps'
;  2          0002  0 MODULE SMG$$NUMBER_PARAMETERS (
;  3          0003  0                 IDENT = '1-001' ! File: SMGNUMPAR.B32 Edit: PLL1001
;  4          0004  0                 ) =
;  5          0005  1 BEGIN
;  6          0006  1 !
;  7          0007  1 !*****************************************************************************
;  8          0008  1 !*                                                                           *
;  9          0009  1 !*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                                  *
; 10          0010  1 !*  DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.                   *
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; 14          0014  1 !*  ONLY IN  ACCORDANCE WITH  THE  TERMS  OF  SUCH  LICENSE  AND WITH THE  *
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; 21          0021  1 !*  AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT   *
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; 23          0023  1 !*                                                                           *
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; 25          0025  1 !*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.                  *
; 26          0026  1 !*                                                                           *
; 27          0027  1 !*                                                                           *
; 28          0028  1 !*****************************************************************************
; 29          0029  1 !
; 30          0030  1
; 31          0031  1 !++
; 32          0032  1 ! FACILITY:     Screen Management
; 33          0033  1 !
; 34          0034  1 ! ABSTRACT:
; 35          0035  1 !
; 36          0036  1 !       This module defines OWN storage for use with the TERMTABLE
; 37          0037  1 !       interface routines.  It defines the number of parameters
; 38          0038  1 !       expected for each string capability.
; 39          0039  1 !
; 40          0040  1 ! ENVIRONMENT:  User mode, Shared library routines.
; 41          0041  1 !
; 42          0042  1 ! AUTHOR: P. Levesque, CREATION DATE: 29-Feb-1984
; 43          0043  1 !
; 44          0044  1 ! MODIFIED BY:
; 45          0045  1 !
; 46          0046  1 ! 1-001 - Original.  PLL 29-Feb-1984
; 47          0047  1 !--
; 48          0048  1
; 49          0049  1 REQUIRE 'SRC$:SMGPROLOG';
; 50          0127  1
; 51          0128  1 LIBRARY 'RTLML:SMGTPALIB';
; 52          0129  1
; 53          0130  1 GLOBAL
; 54          0131  1     SMG$$NUM_PARAMS : VECTOR [SMG$K_MAX_REQUEST_CODE, BYTE]
; 55          0132  1                       INITIAL (REP SMG$K_MAX_REQUEST_CODE OF BYTE(0));
; 56          0133  1
; 57          0134  1 GLOBAL ROUTINE SMG$$NUMBER_PARAMETERS =
```

```
2       BEGIN
2   !+
2   ! Initialized the vector to all zeroes.  Now reset the capabilities that
2   ! require parameters.
2   !-
2
2       SMG$$NUM_PARAMS [SMG$K_CURSOR_DOWN] = 1;
2       SMG$$NUM_PARAMS [SMG$K_CURSOR_LEFT] = 1;
2       SMG$$NUM_PARAMS [SMG$K_CURSOR_NEXT_LINE] = 1;
2       SMG$$NUM_PARAMS [SMG$K_CURSOR_POSITION_REPORT] = 2;
2       SMG$$NUM_PARAMS [SMG$K_CURSOR_PRECEEDING_LINE] = 1;
2       SMG$$NUM_PARAMS [SMG$K_CURSOR_RIGHT] = 1;
2       SMG$$NUM_PARAMS [SMG$K_CURSOR_UP] = 1;
2       SMG$$NUM_PARAMS [SMG$K_DELETE_CHAR] = 1;
2       SMG$$NUM_PARAMS [SMG$K_DELETE_LINE] = 1;
2       SMG$$NUM_PARAMS [SMG$K_INSERT_CHAR] = 1;
2       SMG$$NUM_PARAMS [SMG$K_INSERT_LINE] = 1;
2       SMG$$NUM_PARAMS [SMG$K_INSERT_PAD] = 1;
2       SMG$$NUM_PARAMS [SMG$K_SCROLL_FORWARD] = 1;
2       SMG$$NUM_PARAMS [SMG$K_SCROLL_REVERSE] = 1;
2       SMG$$NUM_PARAMS [SMG$K_SET_CURSOR_ABS] = 2;
2       SMG$$NUM_PARAMS [SMG$K_SET_SCROLL_REGION] = 2;
2
2       RETURN 1;
1       END;                                   ! end of 'routine' SMG$$NUMBER_PARAMETERS

                                               .TITLE  SMG$$NUMBER_PARAMETERS SMG$$NUMBER_PARAMETERS -
;                                                      Define the number of p
                                               .IDENT  \1-001\

                                               .PSECT  _SMG$DATA,NOEXE,  PIC,2

                          00# 00000 SMG$$NUM_PARAMS::
                                               .BYTE   0[660]                                    ;

                                               .PSECT  _SMG$CODE,NOWRT,  SHR,  PIC,2

                              0004 00000       .ENTRY  SMG$$NUMBER_PARAMETERS, Save R2           ; 0134
             52 00000000'  EF  9E 00002       MOVAB   SMG$$NUM_PARAMS+452, R2
             62 01010101   8F  D0 00009       MOVL    #16843009, SMG$$NUM_PARAMS+452            ; 0141
        0083 C2            02  90 00010       MOVB    #2, SMG$$NUM_PARAMS+583                   ; 0144
        008B C2      0101  8F  B0 00015       MOVW    #257, SMG$$NUM_PARAMS+591                 ; 0143
          05 A2      0101  8F  B0 0001C       MOVW    #257, SMG$$NUM_PARAMS+457                 ; 0148
          1B A2      0101  8F  B0 00022       MOVW    #257, SMG$$NUM_PARAMS+479                 ; 0150
          1D A2            01  90 00028       MOVB    #1, SMG$$NUM_PARAMS+481                   ; 0152
          6D A2      0101  8F  B0 0002C       MOVW    #257, SMG$$NUM_PARAMS+561                 ; 0153
          76 A2            02  90 00032       MOVB    #2, SMG$$NUM_PARAMS+570                   ; 0155
          78 A2            02  90 00036       MOVB    #2, SMG$$NUM_PARAMS+572                   ; 0156
             50            01  D0 0003A       MOVL    #1, R0                                    ; 0158
                               04 0003D       RET                                               ; 0159

; Routine Size:  62 bytes,    Routine Base:  _SMG$CODE + 0000
```

```
;  83          0160  1
;  84          0161  1     END                              ! end of module SMG$$NUMBER_PARAMETERS
;  85          0162  0     ELUDOM



;                          PSECT SUMMARY
;
;    Name                        Bytes                    Attributes
;
;   _SMG$DATA                       660  NOVEC,  WRT,  RD ,NOEXE,NOSHR,  LCL,  REL,  CON,  PIC,ALIGN(2)
;   _SMG$CODE                        62  NOVEC,NOWRT,  RD ,  EXE,  SHR,  LCL,  REL,  CON,  PIC,ALIGN(2)



;                       Library Statistics
;
;                                          -------- Symbols --------      Pages       Processing
;    File                                  Total   Loaded   Percent       Mapped      Time
;
;   _$255$DUA28:[SYSLIB]STARLET.L32;1       9776       18         0          581        00:00.9
;   _$255$DUA28:[SMGRTL.OBJ]RTLLIB.L32;1      36        0         0            8        00:00.1
;   _$255$DUA28:[SMGRTL.OBJ]SMGLIB.L32;1     469        0         0           38        00:00.4
;   _$255$DUA28:[SMGRTL.OBJ]SMGTPALIB.L32;1
;                                             41        1         2           10        00:00.1



;                          COMMAND QUALIFIERS

;    BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACE/LIS=LIS$:SMGNUMPAR/OBJ=OBJ$:SMGNUMPAR MSRC$:SMGNUMPAR/UPDATE=(ENH$:SMGNUMPAR
;    )

; Size:           62 code + 660 data bytes
; Run Time:          00:04.2
; Elapsed Time:      00:21.7
; Lines/CPU Min:      2292
; Lexemes/CPU-Min: 11023
; Memory Used:   45 pages
; Compilation Complete
```

SMGNUMTAB
LIS

SMGMSGPTR
LIS

SMGSCROLL
LIS

SMGMISC
LIS

SMGMSGTXT
LIS

SMGPUTENC
LIS

SMGPUTTEX
LIS

SMGSIMTRM
LIS

SMGNUMPAR
LIS

SMGPRVINP
LIS