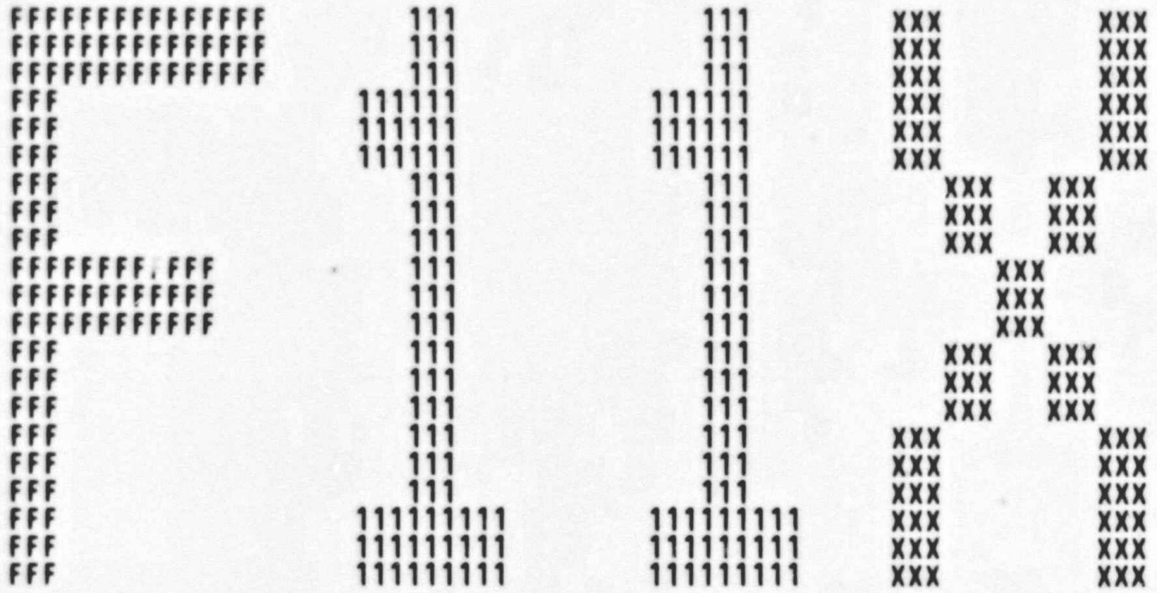


_$2

Symb

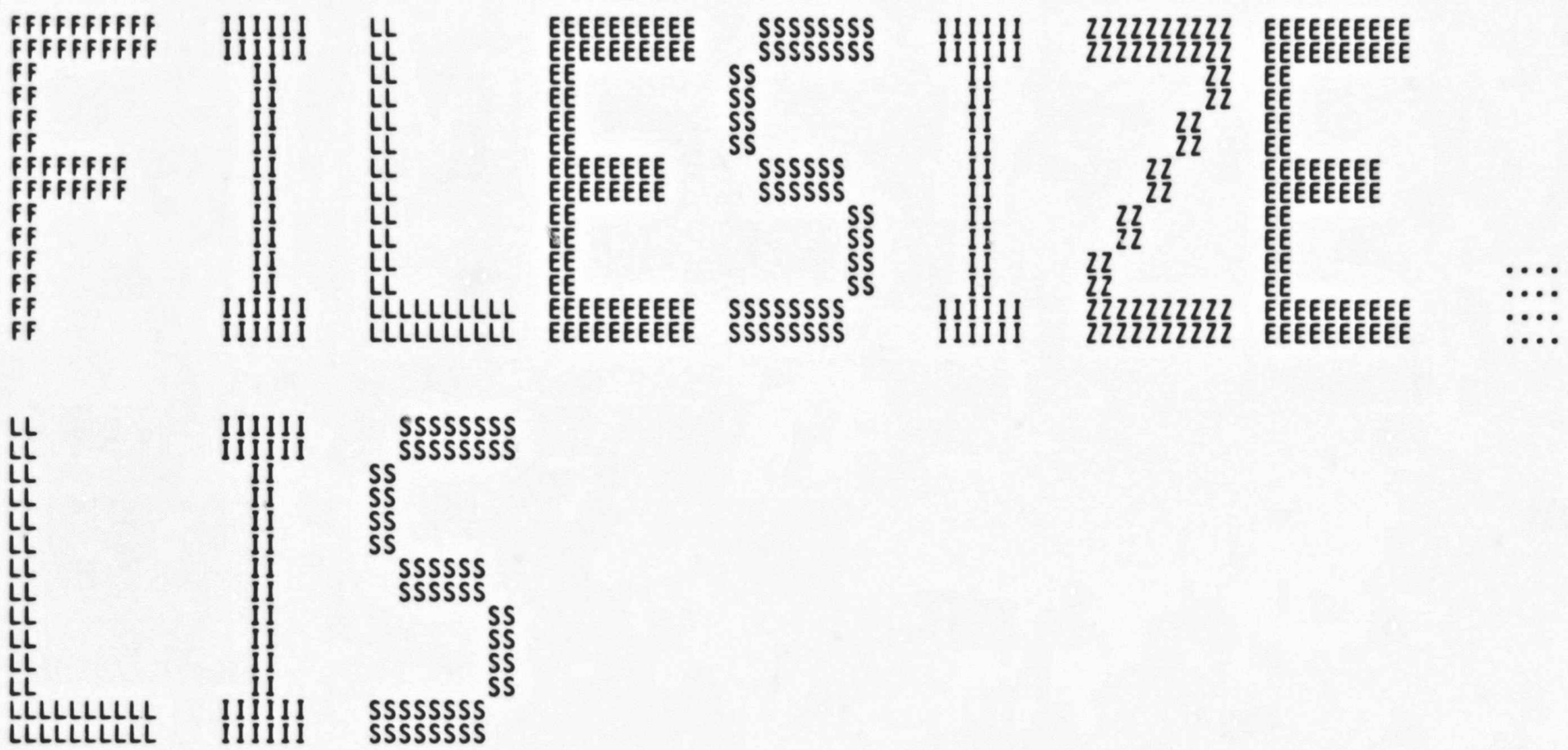
IOCS
IO_C
IO_C
IO_D
IO_F
IO_S
KICL

KILL
KILL
LB_B
LB_D
LB_F
LB_K
LB_L
LOCA
LOCA
LOCK

LOCK
LOCK
LOCK
LOC_
LOC_
L_CO
L_CO
L_DA
L_DA
MAIN
MAKE
MAKE
MAKE
MAKE
MAKE
MAKE

MAKE
MAKE
MAP_
MAP_

MAP
MARK
MARK
MARK
MARK
MARK


FFFFFFFFFF IIIIII LL EEEEEEEEEE SSSSSSSS IIIIII ZZZZZZZZZZ EEEEEEEEEE
FFFFFFFFFF IIIIII LL EEEEEEEEEE SSSSSSSS IIIIII ZZZZZZZZZZ EEEEEEEEEE
FF II LL EE SS II ZZ EE
FF II LL EE SS II ZZ EE
FF II LL EE SS II ZZ EE
FF II LL EE SS II ZZ EE
FFFFFFFF II LL EEEEEEEE SSSSSS II ZZ EEEEEEEE
FFFFFFFF II LL EEEEEEEE SSSSSS II ZZ EEEEEEEE
FF II LL EE SS II ZZ EE
FF II LL EE SS II ZZ EE
FF II LL EE SS II ZZ EE ....
FF II LL EE SS II ZZ EE ....
FF IIIIII LLLLLLLLLL EEEEEEEEEE SSSSSSSS IIIIII ZZZZZZZZZZ EEEEEEEEEE ....
FF IIIIII LLLLLLLLLL EEEEEEEEEE SSSSSSSS IIIIII ZZZZZZZZZZ EEEEEEEEEE ....
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

```
;     1          0001  0 MODULE FILESIZE (
;     2          0002  0                 LANGUAGE (BLISS32),
;     3          0003  0                 IDENT = 'V04-000'
;     4          0004  0                 ) =
;     5          0005  1 BEGIN
;     6          0006  1
;     7          0007  1 !
;     8          0008  1 !**********************************************************************************
;     9          0009  1 !*                                                                                *
;    10          0010  1 !*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                                       *
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;    20          0020  1 !*                                                                                *
;    21          0021  1 !*  THE INFORMATION IN THIS SOFTWARE IS  SUBJECT TO CHANGE WITHOUT NOTICE         *
;    22          0022  1 !*  AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT        *
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;    24          0024  1 !*                                                                                *
;    25          0025  1 !*  DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE  OR  RELIABILITY OF ITS        *
;    26          0026  1 !*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.                        *
;    27          0027  1 !*                                                                                *
;    28          0028  1 !*                                                                                *
;    29          0029  1 !**********************************************************************************
;    30          0030  1
;    31          0031  1 !++
;    32          0032  1 !
;    33          0033  1 ! FACILITY:  F11ACP Structure Level 2
;    34          0034  1 !
;    35          0035  1 ! ABSTRACT:
;    36          0036  1 !
;    37          0037  1 !       This routine computes the number of blocks mapped by a file header.
;    38          0038  1 !
;    39          0039  1 ! ENVIRONMENT:
;    40          0040  1 !
;    41          0041  1 !       STARLET operating system, including privileged system services
;    42          0042  1 !       and internal exec routines. These routines must be called in
;    43          0043  1 !       kernel mode.
;    44          0044  1 !
;    45          0045  1 !--
;    46          0046  1 !
;    47          0047  1 !
;    48          0048  1 ! AUTHOR:  Andrew C. Goldstein,  CREATION DATE:  14-Jun-1979  9:22
;    49          0049  1 !
;    50          0050  1 ! MODIFIED BY:
;    51          0051  1 !
;    52          0052  1 !       V03-002 CDS0002         Christian D. Saether    31-July-1984
;    53          0053  1 !               Remove local declaration of get_map_pointer linkage.
;    54          0054  1 !
;    55          0055  1 !       V03-001 CDS0001         Christian D. Saether    30-Dec-1983
;    56          0056  1 !               Use L_NORM linkage.
;    57          0057  1 !
```

```
;    58          0058  1 !**
;    59          0059  1
;    60          0060  1
;    61          0061  1 LIBRARY 'SYS$LIBRARY:LIB.L32';
;    62          0062  1 REQUIRE 'SRC$:FCPDEF.B32';
```

```
;    64          1053  1 GLOBAL ROUTINE FILE_SIZE (HEADER) : L_NORM =
;    65          1054  1
;    66          1055  1 !++
;    67          1056  1 !
;    68          1057  1 ! FUNCTIONAL DESCRIPTION:
;    69          1058  1 !
;    70          1059  1 !       This routine computes the number of blocks mapped by the specified
;    71          1060  1 !       file header.
;    72          1061  1 !
;    73          1062  1 ! CALLING SEQUENCE:
;    74          1063  1 !       FILE_SIZE (ARG1)
;    75          1064  1 !
;    76          1065  1 ! INPUT PARAMETERS:
;    77          1066  1 !       ARG1: header address
;    78          1067  1 !
;    79          1068  1 ! IMPLICIT INPUTS:
;    80          1069  1 !       NONE
;    81          1070  1 !
;    82          1071  1 ! OUTPUT PARAMETERS:
;    83          1072  1 !       NONE
;    84          1073  1 !
;    85          1074  1 ! IMPLICIT OUTPUTS:
;    86          1075  1 !       NONE
;    87          1076  1 !
;    88          1077  1 ! ROUTINE VALUE:
;    89          1078  1 !       number of blocks in header
;    90          1079  1 !
;    91          1080  1 ! SIDE EFFECTS:
;    92          1081  1 !       NONE
;    93          1082  1 !
;    94          1083  1 !--
;    95          1084  1
;    96          1085  2 BEGIN
;    97          1086  2
;    98          1087  2 MAP
;    99          1088  2         HEADER          : REF BBLOCK;   ! file header arg
;   100          1089  2
;   101          1090  2 GLOBAL REGISTER
;   102          1091  2         COUNT           = 6,            ! retrieval pointer count
;   103          1092  2         LBN             = 7,            ! retrieval pointer LBN
;   104          1093  2         MAP_POINTER     = 8;            ! pointer to scan map area
;   105          1094  2
;   106          1095  2 LOCAL
;   107          1096  2         FILESIZE;                       ! size of file
;   108          1097  2
;   109          1098  2 EXTERNAL ROUTINE
;   110          1099  2         GET_MAP_POINTER : L_MAP_POINTER; ! get value of file map pointer
;   111          1100  2
;   112          1101  2
;   113          1102  2 ! Scan the map area. Count up the file size from the retrieval pointers.
;   114          1103  2 !
;   115          1104  2
;   116          1105  2 FILESIZE = 0;
;   117          1106  2 MAP_POINTER = .HEADER + .HEADER[FH2$B_MPOFFSET]*2;
;   118          1107  2 UNTIL .MAP_POINTER GEQA .HEADER + (.HEADER[FH2$B_MPOFFSET] + .HEADER[FH2$B_MAP_INUSE]) * 2
;   119          1108  2 DO
;   120          1109  3     BEGIN
```

```
;  121          1110  3     GET_MAP_POINTER ();
;  122          1111  3     FILESIZE = .FILESIZE + .COUNT;
;  123          1112  2     END;
;  124          1113  2
;  125          1114  2 RETURN .FILESIZE;
;  126          1115  2
;  127          1116  1 END;


                                                        .TITLE  FILESIZE
                                                        .IDENT  \V04-000\

                                                        .EXTRN  GET_MAP_POINTER

                                                        .PSECT  $CODE$,NOWRT,2

                                    01CC 00000          .ENTRY  FILE_SIZE, Save R2,R3,R6,R7,R8          ; 1053
                                      52  D4 00002        CLRL    FILESIZE                            ; 1105
                              51  04  AC  D0 00004        MOVL    HEADER, R1                          ; 1106
                              50  01  A1  9A 00008        MOVZBL  1(R1), R0                           ;
                              58    6140  3E 0000C        MOVAW   (R1)[R0], MAP_POINTER               ;
                              51  04  AC  D0 00010 1$:     MOVL    HEADER, R1                          ; 1107
                              50  01  A1  9A 00014        MOVZBL  1(R1), R0                           ;
                              53  3A  A1  9A 00018        MOVZBL  58(R1), R3                          ;
                              50    53  C0 0001C          ADDL2   R3, R0                              ;
                              50     6140  3E 0001F       MOVAW   (R1)[R0], R0                        ;
                              50       58  D1 00023       CMPL    MAP_POINTER, R0                     ;
                                       08  1E 00026       BGEQU   2$                                  ;
                                    0000G  30 00028       BSBW    GET_MAP_POINTER                     ; 1110
                              52       56  C0 0002B       ADDL2   COUNT, FILESIZE                     ; 1111
                                       E0  11 0002E       BRB     1$                                  ; 1107
                              50       52  D0 00030 2$:    MOVL    FILESIZE, R0                        ; 1114
                                           04 00033       RET                                         ; 1116

; Routine Size:  52 bytes,    Routine Base:  $CODE$ + 0000

;  128          1117  1
;  129          1118  1 END
;  130          1119  0 ELUDOM



;                                   PSECT SUMMARY
;
;       Name                    Bytes                           Attributes
;
;  $CODE$                         52  NOVEC,NOWRT,  RD ,  EXE,NOSHR,  LCL,  REL,  CON,NOPIC,ALIGN(2)


;                               Library Statistics
;
```

```
;                                        -------- Symbols --------       Pages      Processing
;       File                             Total     Loaded   Percent      Mapped     Time
;
;  _$255$DUA28:[SYSLIB]LIB.L32;1         18619       19          0       1000        00:02.0



;                                COMMAND QUALIFIERS

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

; Size:           52 code + 0 data bytes
; Run Time:          00:08.1
; Elapsed Time:      00:20.7
; Lines/CPU Min:       8288
; Lexemes/CPU-Min:  27259
; Memory Used:   101 pages
; Compilation Complete
```

EXTIDX.LIS

GTLCAT.LIS

GETLOC.LIS

EXTEND.LIS

EXTHDR.LIS

FILUTL.LIS

GETREQ.LIS

EXTCONTIG.LIS

ERASE.LIS

GETTIM.LIS

FIND.LIS

GETFIB.LIS

INIFC2.LIS

INIFCP.LIS

EXTFCB.LIS

FILESERV.LIS

FILESIZE.LIS

GETPTR.LIS