PPPPPPPPPPPP AAAAAAAAA SSSSSSSSSSS RRRRRRRRRRR TTTTTTTTTTTTTTT LLL
PPPPPPPPPPPP AAAAAAAAA SSSSSSSSSSS RRRRRRRRRRR TTTTTTTTTTTTTTT LLL
PPPPPPPPPPPP AAAAAAAAA SSSSSSSSSSS RRRRRRRRRRR TTTTTTTTTTTTTTT LLL
PPP PPP AAA AAA SSS RRR RRR TTT LLL
PPP PPP AAA AAA SSS RRR RRR TTT LLL
PPP PPP AAA AAA SSS RRR RRR TTT LLL
PPP PPP AAA AAA SSS RRR RRR TTT LLL
PPP PPP AAA AAA SSS RRR RRR TTT LLL
PPP PPP AAA AAA SSS RRR RRR TTT LLL
PPPPPPPPPPPP AAA AAA SSSSSSSSS RRRRRRRRRRR TTT LLL
PPPPPPPPPPPP AAA AAA SSSSSSSSS RRRRRRRRRRR TTT LLL
PPPPPPPPPPPP AAA AAA SSSSSSSSS RRRRRRRRRRR TTT LLL
PPP AAAAAAAAAAAAAAA SSS RRR RRR TTT LLL
PPP AAAAAAAAAAAAAAA SSS RRR RRR TTT LLL
PPP AAAAAAAAAAAAAAA SSS RRR RRR TTT LLL
PPP AAA AAA SSS RRR RRR TTT LLL
PPP AAA AAA SSS RRR RRR TTT LLL
PPP AAA AAA SSS RRR RRR TTT LLL
PPP AAA AAA SSSSSSSSSSS RRR RRR TTT LLLLLLLLLLLLLLL
PPP AAA AAA SSSSSSSSSSS RRR RRR TTT LLLLLLLLLLLLLLL
PPP AAA AAA SSSSSSSSSSS RRR RRR TTT LLLLLLLLLLLLLLL
PPP AAA AAA SSSSSSSSSSS RRR RRR TTT LLLLLLLLLLLLLLL

```
PPPPPPPP      AAAAAA      SSSSSSSS  FFFFFFFFFF  VV      VV    000000    UU      UU  TTTTTTTTTT  PPPPPPPP
PPPPPPPP      AAAAAA      SSSSSSSS  FFFFFFFFFF  VV      VV    000000    UU      UU  TTTTTTTTTT  PPPPPPPP
PP      PP  AA      AA  SS        FF          VV      VV  00      00  UU      UU      TT      PP      PP
PP      PP  AA      AA  SS        FF          VV      VV  00      00  UU      UU      TT      PP      PP
PP      PP  AA      AA  SS        FF          VV      VV  00      00  UU      UU      TT      PP      PP
PP      PP  AA      AA  SS        FF          VV      VV  00      00  UU      UU      TT      PP      PP
PPPPPPPP    AA      AA    SSSSSS  FFFFFFFF    VV      VV  00      00  UU      UU      TT      PPPPPPPP
PPPPPPPP    AA      AA    SSSSSS  FFFFFFFF    VV      VV  00      00  UU      UU      TT      PPPPPPPP
PP          AAAAAAAAAA          SS  FF          VV      VV  00      00  UU      UU      TT      PP
PP          AAAAAAAAAA          SS  FF          VV      VV  00      00  UU      UU      TT      PP
PP          AA      AA          SS  FF            VV  VV    00      00  UU      UU      TT      PP
PP          AA      AA          SS  FF            VV  VV    00      00  UU      UU      TT      PP
PP          AA      AA  SSSSSSSS    FF              VV      000000    UUUUUUUUUU      TT      PP
PP          AA      AA  SSSSSSSS    FF              VV      000000    UUUUUUUUUU      TT      PP


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 MODULE PAS$FV_OUTPUT ( %TITLE 'File Variable OUTPUT'
;     2          0002  0                  IDENT = '1-001'                    ! File: PASFVOUTP.B32 Edit: SBL1001
;     3          0003  0                  ) =
;     4          0004  1 BEGIN
;     5          0005  1 !
;     6          0006  1 !*****************************************************************************
;     7          0007  1 !*                                                                           *
;     8          0008  1 !*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                                  *
;     9          0009  1 !*  DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.                    *
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;    16          0016  1 !*  OTHER PERSON.  NO TITLE TO AND OWNERSHIP OF  THE  SOFTWARE IS  HEREBY     *
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;    18          0018  1 !*                                                                           *
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;    24          0024  1 !*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.                   *
;    25          0025  1 !*                                                                           *
;    26          0026  1 !*                                                                           *
;    27          0027  1 !*****************************************************************************
;    28          0028  1 !
;    29          0029  1
;    30          0030  1 !++
;    31          0031  1 ! FACILITY:     VAX-11 Pascal Run-Time Library
;    32          0032  1 !
;    33          0033  1 ! ABSTRACT:
;    34          0034  1 !
;    35          0035  1 !       This module contains the global Pascal File Variable OUTPUT (PFV),
;    36          0036  1 !       along with its associated Pascal File Descriptor (PFD) block.
;    37          0037  1 !       This variable is referenced by VAX-11 Pascal programs as the
;    38          0038  1 !       file OUTPUT.
;    39          0039  1 !
;    40          0040  1 ! ENVIRONMENT:  Contains no code.
;    41          0041  1 !
;    42          0042  1 ! AUTHOR: Steven B. Lionel, CREATION DATE: 1-April-1981
;    43          0043  1 !
;    44          0044  1 ! MODIFIED BY:
;    45          0045  1 !
;    46          0046  1 ! 1-001 - Original.  SBL 1-April-1981
;    47          0047  1 !--
;    48          0048  1
```

```
;    50          0049  1 %SBTTL 'Declarations'
;    51          0050  1 !
;    52          0051  1 ! PROLOGUE DEFINITIONS:
;    53          0052  1 !
;    54          0053  1
;    55          0054  1 REQUIRE 'RTLIN:PASPROLOG';                    ! Externals, linkages, PSECTs, structures
;    56          0118  1
;    57          0119  1 !
;    58          0120  1 ! MACROS:
;    59          0121  1 !
;    60          0122  1 !       NONE
;    61          0123  1 !
;    62          0124  1 ! EQUATED SYMBOLS:
;    63          0125  1 !
;    64          0126  1 !       NONE
;    65          0127  1 !
;    66          0128  1 ! FIELDS:
;    67          0129  1 !
;    68          0130  1 !       NONE
;    69          0131  1 !
;    70          0132  1 ! OWN STORAGE:
;    71          0133  1 !
;    72          0134  1
;    73          0135  1 OWN
;    74          0136  1     !+
;    75          0137  1     ! First define PFD block so that it can be referenced by the PFV.
;    76          0138  1     !-
;    77          0139  1
;    78          0140  1     PFD_OUTPUT: BLOCK [PFD$K_SIZE+%CHARCOUNT('OUTPUT'), BYTE]
;    79          0141  1                 FIELD (PFD$FIELDS) PSECT (_PAS$CODE)
;    80          0142  1         PRESET (
;    81          0143  1                 [PFD$V_TEXT]    = 1,
;    82          0144  1                 [PFD$V_EXTERN]  = 1,
;    83          0145  1                 [PFD$V_STATIC]  = 1,
;    84          0146  1                 [PFD$L_LENGTH]  = 1,
;    85          0147  1                 [PFD$T_NAME]    = %CHARCOUNT('OUTPUT'),
;    86          0148  1                 [PFD$B_NAME1]   = %C'O',
;    87          0149  1                 [PFD$B_NAME2]   = %C'U',
;    88          0150  1                 [PFD$B_NAME3]   = %C'T',
;    89          0151  1                 [PFD$B_NAME4]   = %C'P',
;    90          0152  1                 [PFD$B_NAME5]   = %C'U',
;    91          0153  1                 [PFD$B_NAME6]   = %C'T'
;    92          0154  1                );
;    93          0155  1
;    94          0156  1 !+
;    95          0157  1 ! Define the file buffer for OUTPUT.
;    96          0158  1 !-
;    97          0159  1
;    98          0160  1 OWN
;    99          0161  1     BUFFER_OUTPUT: BYTE;
;   100          0162  1
;   101          0163  1 !+
;   102          0164  1 ! Now define the global file variable.  Unlike the PFD, the PFV is writeable.
;   103          0165  1 ! Put it in a special PSECT that sorts before _PAS$DATA.
;   104          0166  1 !-
;   105          0167  1
;   106          0168  1 PSECT
```

```
;  107          0169  1     NODEFAULT =  PAS$$FILE_VARS (READ, WRITE, NOEXECUTE, NOSHARE, PIC,
;  108          0170  1         ADDRESSING_MODE (LONG_RELATIVE));
;  109          0171  1
;  110          0172  1 GLOBAL
;  111          0173  1     PAS$FV_OUTPUT: $PAS$PFV_FILE_VARIABLE PSECT (_PAS$$FILE_VARS)
;  112          0174  1         PRESET (
;  113          0175  1                 [PFV$B_VERSION] = PFV$K_CUR_VERSION,
;  114          0176  1                 [PFV$V_RELPFD]  = 1,
;  115          0177  1                 [PFV$A_PFD]     = (PFD_OUTPUT - PAS$FV_OUTPUT),
;  116          0178  1                 [PFV$V_RELBUF]  = 1,
;  117          0179  2                 [PFV$A_BUFFER]  = (BUFFER_OUTPUT - PAS$FV_OUTPUT)
;  118          0180  1                );
;  119          0181  1
;  120          0182  1 !+
;  121          0183  1 ! Define enough bytes of storage space to pad PAS$FV_OUTPUT to 32 bytes.
;  122          0184  1 ! This is so that it can be expanded to 32 bytes without affecting its
;  123          0185  1 ! location in the vector.
;  124          0186  1 !-
;  125          0187  1
;  126          0188  1 OWN
;  127          0189  1     PAD_SPACE: VECTOR [32-PFV$K_SIZE, BYTE] PSECT (_PAS$$FILE_VARS);
;  128          0190  1
;  129          0191  1
;  130          0192  1 END                                             ! End of module PAS$FV_OUTPUT
;  131          0193  1
;  132          0194  0 ELUDOM


                                        .TITLE  PAS$FV_OUTPUT File Variable OUTPUT
                                        .IDENT  \1-001\

                                        .PSECT  _PAS$$FILE_VARS,NOEXE,  PIC,2

                    00000000* 00000 PAS$FV_OUTPUT::
                                        .LONG   <BUFFER_OUTPUT-PAS$FV_OUTPUT>                   ;
                          00  00004             .BYTE   0                                       ;
                          00# 00005             .BYTE   0[2]                                    ;
                          18  00007             .BYTE   24                                      ;
                    00000000* 00008             .LONG   <PFD_OUTPUT-PAS$FV_OUTPUT>              ;
                              0000C             .BLKB   4
                              00010 PAD_SPACE:
                                        .BLKB   16

                                        .PSECT  _PAS$DATA,NOEXE,  PIC,2

                              00000 BUFFER_OUTPUT:
                                        .BLKB   1

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

                          00# 00000 PFD_OUTPUT:
                                        .BYTE   0[4]                                            ;
                          61  00004             .BYTE   97                                      ;
                          00# 00005             .BYTE   0[3]                                    ;
                    00000001  00008             .LONG   1                                       ;
    54  55  50  54  55  4F  06  0000C           .BYTE   6, 79, 85, 84, 80, 85, 84               ;
```

```
;                                   PSECT SUMMARY
;
;       Name                       Bytes                      Attributes
;
;   _PAS$CODE                          19  NOVEC,NOWRT,  RD ,  EXE,  SHR,  LCL,  REL,  CON,  PIC,ALIGN(2)
;   _PAS$DATA                           1  NOVEC,  WRT,  RD ,NOEXE,NOSHR,  LCL,  REL,  CON,  PIC,ALIGN(2)
;   _PAS$$FILE_VARS                    32  NOVEC,  WRT,  RD ,NOEXE,NOSHR,  LCL,  REL,  CON,  PIC,ALIGN(2)


;                              Library Statistics
;
;                                            -------- Symbols --------      Pages       Processing
;       File                                 Total    Loaded   Percent      Mapped      Time
;
;   _$255$DUA28:[SYSLIB]STARLET.L32;1         9776         0         0        581        00:01.0
;   _$255$DUA28:[PASRTL.OBJ]PASLIB.L32;1       427        43        10         33        00:00.4


;                                   COMMAND QUALIFIERS
;
;       BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACE/LIS=LIS$:PASFVOUTP/OBJ=OBJ$:PASFVOUTP MSRC$:PASFVOUTP/UPDATE=(FNH$:PASFVOUTP
;       )

; Size:          0 code + 52 data bytes
; Run Time:         00:03.7
; Elapsed Time:     00:17.2
; Lines/CPU Min:     3154
; Lexemes/CPU-Min: 14097
; Memory Used:  36 pages
; Compilation Complete
```

PASFVOUTP
LIS

PASEOLN2
LIS

PASHEAP
LIS

PASHANDLE
LIS

PASFAB
LIS

PASGET
LIS

PASCVTRT
LIS

PASDATE
LIS

PASEOF2
LIS

PASFINDK
LIS

PASFVINPU
LIS

PASEXPO
LIS

PASGOTO
LIS

PASFILEUT
LIS

PASHALT
LIS

PASDELETE
LIS

PASFIND2
LIS