C 10

```
EEEEEEEEEEEEEEE   DDDDDDDDDDDD      TTTTTTTTTTTTTTT
EEEEEEEEEEEEEEE   DDDDDDDDDDDD      TTTTTTTTTTTTTTT
EEEEEEEEEEEEEEE   DDDDDDDDDDDD      TTTTTTTTTTTTTTT
EEE               DDD         DDD         TTT
EEE               DDD         DDD         TTT
EEE               DDD         DDD         TTT
EEE               DDD         DDD         TTT
EEE               DDD         DDD         TTT
EEE               DDD         DDD         TTT
EEEEEEEEEEEE      DDD         DDD         TTT
EEEEEEEEEEEE      DDD         DDD         TTT
EEEEEEEEEEEE      DDD         DDD         TTT
EEE               DDD         DDD         TTT
EEE               DDD         DDD         TTT
EEE               DDD         DDD         TTT
EEE               DDD         DDD         TTT
EEE               DDD         DDD         TTT
EEE               DDD         DDD         TTT
EEEEEEEEEEEEEEE   DDDDDDDDDDDD            TTT
EEEEEEEEEEEEEEE   DDDDDDDDDDDD            TTT
EEEEEEEEEEEEEEE   DDDDDDDDDDDD            TTT
```

```
**FILE**ID**PRSEMRTN                                    N  4



PPPPPPPP    RRRRRRRR      SSSSSSSS  EEEEEEEEEE  MM      MM  RRRRRRRR    TTTTTTTTTT  NN      NN
PPPPPPPP    RRRRRRRR      SSSSSSSS  EEEEEEEEEE  MM      MM  RRRRRRRR    TTTTTTTTTT  NN      NN
PP      PP  RR      RR  SS          EE          MMMM  MMMM  RR      RR      TT      NN      NN
PP      PP  RR      RR  SS          EE          MMMM  MMMM  RR      RR      TT      NN      NN
PP      PP  RR      RR  SS          EE          MM  MM  MM  RR      RR      TT      NNNN    NN
PP      PP  RR      RR  SS          EE          MM  MM  MM  RR      RR      TT      NNNN    NN
PPPPPPPP    RRRRRRRR      SSSSSS    EEEEEEEE    MM      MM  RRRRRRRR        TT      NN  NN  NN
PPPPPPPP    RRRRRRRR      SSSSSS    EEEEEEEE    MM      MM  RRRRRRRR        TT      NN  NN  NN
PP          RR  RR              SS  EE          MM      MM  RR  RR          TT      NN    NNNN
PP          RR  RR              SS  EE          MM      MM  RR  RR          TT      NN    NNNN
PP          RR    RR            SS  EE          MM      MM  RR    RR        TT      NN      NN    ....
PP          RR    RR            SS  EE          MM      MM  RR    RR        TT      NN      NN    ....
PP          RR      RR  SSSSSSSS    EEEEEEEEEE  MM      MM  RR      RR      TT      NN      NN    ....
PP          RR      RR  SSSSSSSS    EEEEEEEEEE  MM      MM  RR      RR      TT      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
LLLLLLLLLL    IIIIII    SSSSSSSS
LLLLLLLLLL    IIIIII    SSSSSSSS
```

EDT9
V04-

```
%TITLE 'EDT$PRSEMRTN - parser semantic actions'
MODULE EDT$PRSEMRTN (                                   ! Parser semantic actions
                IDENT = 'V04-000'                               ! File: PRSEMRTN.BLI Edit: JBS1023
                ) =
BEGIN
!
!****************************************************************************
!*                                                                          *
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!****************************************************************************
!

!++
! FACILITY:     EDT -- The DEC Standard Editor
!
! ABSTRACT:
!
!       Parser semantic actions.
!
! ENVIRONMENT:  Runs at any access mode - AST reentrant
!
! AUTHOR: Bob Kushlis, CREATION DATE: December 12, 1978
!
! MODIFIED BY:
!
! 1-001 - Original.  DJS 25-Feb-1981.  This module was created by
!       extracting routine SEM_ROUTINES from module PARSER.
! 1-002 - Regularize headers.  JBS 12-Mar-1981
! 1-003 - Use the ASSERT macro.  JBS 01-Jun-1981
! 1-004 - Use the new message codes.  JBS 05-Aug-1981
! 1-005 - In a substitute command, don't allow the scanner to swallow
!         a quoted string after the command, since SUBSTITUTE has its
!         own syntax for its two strings.  JBS 26-Aug-1981
! 1-006 - Add PREV_RANGE, the back pointer for NEXT_RANGE.  JBS 02-Nov-1981
! 1-007 - Don't scan too far if the SUBSTITUTE command is ill-formed.  JBS 28-Dec-1981
! 1-008 - Make the NEXT command have the same fix from edit 1-005 as the SUBSTITUTE
!         NEXT command.  JBS 04-Jan-1982
! 1-009 - Change index for line numbers from 10 digits to 15.  SMB 18-Jan-1982
! 1-010 - Add error checks for line numbers out of range.  SMB 06-Feb-1982
```

```
1 ! 1-011 - Correct the file name scanner so it doesn't loop on an unquoted string.  JBS 10-Feb-1982
1 ! 1-012 - Don't let a key number be larger than 21.  JBS 10-Feb-1982
1 ! 1-013 - Add a missing dot in edit 1-011.  JBS 13-Feb-1982
1 ! 1-014 - Fix bad range check from edit 1-011.  SMB 15-Feb-1982
1 ! 1-015 - Change range check and error code (part of 1-011 problem).  SMB 16-Feb-1982
1 ! 1-016 - Set define key flag so we can accept quoted key. STS 07-Apr-1982
1 ! 1-017 - Delete reference to edt$$g_pa_keyval. STS 09-Apr-1982
1 ! 1-018 - Make TAB_COUNT signed.  JBS 21-Apr-1982
1 ! 1-019 - Change alphanumeric test.  JBS 19-Jul-1982
1 ! 1-020 - New implementation of defined keys.  JBS 13-Aug-1982
1 ! 1-021 - modify to use new 48 bit arith macro. STS 01-Oct-1982
1 ! 1-022 - Modify to use new compare macro. STS 20-Oct-1982
1 ! 1-023 - Add VT220 support conditional.  JBS 11-Feb-1983
1 !--
1
```

```
;    74          0073   1 %SBTTL 'Declarations'
;    75          0074   1 !
;    76          0075   1 ! TABLE OF CONTENTS:
;    77          0076   1 !
;    78          0077   1
;    79          0078   1 REQUIRE 'EDTSRC:TRAROUNAM';
;    80          0517   1
;    81          0518   1 FORWARD ROUTINE
;    82          0519   1     EDT$$PA_SEMRUT;
;    83          0520   1
;    84          0521   1 !
;    85          0522   1 ! INCLUDE FILES:
;    86          0523   1 !
;    87          0524   1
;    88          0525   1 REQUIRE 'EDTSRC:EDTREQ';
;    89          0660   1
;    90          0661   1 REQUIRE 'EDTSRC:PARLITS';
;    91          0945   1
;    92          0946   1 LIBRARY 'EDTSRC:KEYPADDEF';
;    93          0947   1
;    94          0948   1 LIBRARY 'EDTSRC:SUPPORTS';
;    95          0949   1
;    96          0950   1 !
;    97          0951   1 ! MACROS:
;    98          0952   1 !
;    99          0953   1 !       NONE
;   100          0954   1 !
;   101          0955   1 ! EQUATED SYMBOLS:
;   102          0956   1 !
;   103          0957   1 !       NONE
;   104          0958   1 !
;   105          0959   1 ! OWN STORAGE:
;   106          0960   1 !
;   107          0961   1 !       NONE
;   108          0962   1 !
;   109          0963   1 ! EXTERNAL REFERENCES:
;   110          0964   1 !
;   111          0965   1 !       In the routine
```

```
1 %SBTTL 'EDT$$PA_SEMRUT  - parser semantic actions'
1
1 GLOBAL ROUTINE EDT$$PA_SEMRUT (                        ! Parser semantic actions
1     WHICH,                                             ! Action number to perform
1     OPERAND                                            ! Token
1     ) =
1
1 !++
1 ! FUNCTIONAL DESCRIPTION:
1 !
1 !       The semantic actions for the parser.  Which specifies which of the
1 !       actions to perform.  Operand is the index of the token which matched
1 !       if the semantic routine was called as a result of a select operator.
1 !
1 ! FORMAL PARAMETERS:
1 !
1 !  WHICH                  Action number to perform
1 !
1 !  OPERAND                Token which matched
1 !
1 ! IMPLICIT INPUTS:
1 !
1 !       EDT$$A_CMD_END
1 !       EDT$$C_PA_CH
1 !       EDT$$G_PA_CURCMD
1 !       EDT$$A_PA_CURTOK
1 !       EDT$$G_PA_CURTOKLEN
1 !       EDT$$L_PA_NUMVAL
1 !       EDT$$G_PA_PCENT
1 !       EDT$$A_PA_PRVTOK
1 !       EDT$$G_PA_PRVTOKLEN
1 !       EDT$$G_PA_SP
1 !       EDT$$Z_PA_THRURNG
1 !       EDT$$G_PA_TOKCLASS
1 !       EDT$$L_LNO0
1 !       EDT$$G_TAB_SIZ
1 !
1 ! IMPLICIT OUTPUTS:
1 !
1 !       EDT$$G_PA_CURCMD
1 !       EDT$$G_PA_ERRNO
1 !       EDT$$Z_PA_CURRNG
1 !       EDT$$Z_PA_BUFRNG
1 !       EDT$$Z_PA_ANDLSTHD
1 !       EDT$$A_CMD_BUF
1 !       EDT$$G_PA_NOQUO
1 !
1 ! ROUTINE VALUE:
1 !
1 !       0 = failure, 1 = success
1 !
1 ! SIDE EFFECTS:
1 !
1 !       MANY
1 !
1 !--
1
```

```
        BEGIN

        EXTERNAL ROUTINE
            EDT$$PA_SCANTOK : NOVALUE,                  ! Get the next token
            EDT$$PA_APPDIG,
            EDT$$PA_GETCH : NOVALUE,                    ! Get the next character from the input line
            EDT$$PA_CRERNGNOD,                          ! Create a range node
            EDT$$PA_NEW_NOD;                            ! Create a semantic node

        EXTERNAL
            EDT$$L_MAX_LINES,                           ! maximum line number value
            EDT$$A_CMD_BUF,                             ! Pointer into command buffer.
            EDT$$A_CMD_END,                             ! Pointer to end of current command.
            EDT$$Z_PA_ANDLSTHD : REF NODE_BLOCK,
            EDT$$Z_PA_BUFRNG : REF NODE_BLOCK,
            EDT$$C_PA_CH,                               ! the currently being processed character
            EDT$$G_PA_CURCMD : REF NODE_BLOCK,
            EDT$$Z_PA_CURRNG : REF NODE_BLOCK,          ! the current range node
            EDT$$A_PA_CURTOK,                           ! start of the current token
            EDT$$G_DEFKEY,
            EDT$$G_PA_CURTOKLEN,                        ! length of current token
            EDT$$G_PA_ERRNO,                            ! Error number of parsing error.
            EDT$$L_PA_NUMVAL : LN_BLOCK,                ! the value of a numeric literal
            EDT$$G_PA_PCENT,                            ! Did the keyword contain a percent?
            EDT$$A_PA_PRVTOK,                           ! Previous token address
            EDT$$G_PA_PRVTOKLEN,                        ! Previous token length
            EDT$$G_PA_SP,
            EDT$$Z_PA_THRURNG : REF NODE_BLOCK,         ! The currently being built thru type range
            EDT$$G_PA_TOKCLASS,                         ! class of current token
            EDT$$G_PA_NOQUO,                            ! Don't allow quoted strings in the scanner
            EDT$$L_LNOO : LNOVECTOR [14],

L   %IF SUPPORT_VT220
    %THEN
            EDT$$B_CHAR_INFO : BLOCKVECTOR [256, 1, BYTE],  ! Information about characters
    %FI

            EDT$$G_TAB_SIZ;                             ! Current tab size, for error checking

P       MESSAGES ((INVBUFNAM, QUOSTRREQ, NONALPNUM, SUBSTRNUL, UNRCOM, KEYNOTDEF, NUMVALREQ, INVPARFOR, INVVALSE
            ERRRANSPC, ERRCOMOPT, UNRCOMOPT, COLONREQ, MACKEYREQ, ENTMUSTBE, ASREQ, INVSTR, NUMVALILL));
    !

        CASE .WHICH FROM 1 TO NUM_SEM OF
            SET

            [INI_COM] :                                 ! Initialize for a command
                BEGIN
    !+
    ! Make sure the last command turned off EDT$$G_PA_NOQUO , otherwise there may
    ! be subtle interactions of commands.
    !-
                ASSERT (.EDT$$G_PA_NOQUO EQL 0);
                EDT$$G_DEFKEY = 0;

                IF (.EDT$$G_PA_CURCMD NEQ 0) THEN EDT$$G_PA_CURCMD [NEXT_COM] = .EDT$$G_PA_SP;

            IF ((EDT$$G_PA_CURCMD = EDT$$PA_NEW_NOD (COM_NODE, .OPERAND)) EQL 0) THEN RETURN (0);

!+
! If this is the SUBSTITUTE or NEXT command, don't let the scanner take the next token as a quoted string.
!-

            IF ((.OPERAND EQL 16) OR (.OPERAND EQL 19)) THEN EDT$$G_PA_NOQUO = 1;

            END;

        [INIRAN] :                                      ! Initialize for a range
            BEGIN

            IF ((EDT$$Z_PA_CURRNG = EDT$$PA_NEW_NOD (RANGE_NODE, .OPERAND)) EQL 0) THEN RETURN (0);

            IF (.EDT$$G_PA_TOKCLASS EQL CL_NUMBER)      !
            THEN
                MOVELINE (EDT$$L_PA_NUMVAL, EDT$$Z_PA_CURRNG [RAN_VAL]);

            END;

        [START_RANGE] :
            BEGIN

            IF (.OPERAND NEQ 0)
            THEN

                IF (EDT$$PA_SEMRUT (INIRAN, .OPERAND + NUM_SLR) EQL 0) THEN RETURN (0);

            END;

        [BUF_RAN] :
            BEGIN
            EDT$$G_PA_ERRNO = EDT$_INVBUFNAM;

            IF ( NOT EDT$$PA_APPDIG ()) THEN RETURN (0);

            IF (EDT$$PA_SEMRUT (INIRAN, RAN_BUFFER) EQL 0) THEN RETURN (0);

            EDT$$Z_PA_CURRNG [BUF_NAME] = .EDT$$A_PA_CURTOK;
            EDT$$Z_PA_CURRNG [BUF_LEN] = .EDT$$G_PA_CURTOKLEN;
            EDT$$Z_PA_BUFRNG = .EDT$$Z_PA_CURRNG;
            EDT$$PA_SCANTOK ();
            END;

        [APP_NUM] :                                     ! Append numerics to a name.
            EDT$$PA_APPDIG ();

        [BUF_RAN2] :
            BEGIN
            EDT$$Z_PA_BUFRNG [RANGE1] = .EDT$$Z_PA_CURRNG;
            EDT$$Z_PA_CURRNG = .EDT$$Z_PA_BUFRNG;
            END;

        [GETSTR] :
            BEGIN
            EDT$$Z_PA_CURRNG [RAN_VAL] = .EDT$$G_PA_PRVTOKLEN;
```

```
              EDT$$Z_PA_CURRNG [STR_PNT] = .EDT$$A_PA_PRVTOK + 1;

              IF (.EDT$$Z_PA_CURRNG [RAN_TYPE] EQL RAN_MINUS) THEN EDT$$Z_PA_CURRNG [RAN_TYPE] = RAN_MINSTR;

              END;

         [ALLRAN] :                                   ! ALL appended to a range
              BEGIN

              LOCAL
                   SUB_RAN : REF NODE_BLOCK;

              SUB_RAN = .EDT$$Z_PA_CURRNG;            ! Save the first part of the range

              IF ( NOT EDT$$PA_SEMRUT (INIRAN, RAN_ALL)) THEN RETURN (0);

!+
! Link the original range with the ALL clause.
!-

              EDT$$Z_PA_CURRNG [NEXT_RANGE] = .SUB_RAN;
              SUB_RAN [PREV_RANGE] = .EDT$$Z_PA_CURRNG;

              IF (.EDT$$G_PA_TOKCLASS NEQ CL_STRING)
              THEN
                   BEGIN
                   EDT$$G_PA_ERRNO = EDT$_QUOSTRREQ;
                   RETURN (0);
                   END;

              EDT$$Z_PA_CURRNG [RAN_VAL] = .EDT$$G_PA_CURTOKLEN;
              EDT$$Z_PA_CURRNG [STR_PNT] = .EDT$$A_PA_CURTOK + 1;
              EDT$$PA_SCANTOK ();
              END;

         [RAN1] :
              EDT$$G_PA_CURCMD [RANGE1] = .EDT$$Z_PA_CURRNG;

         [RAN2] :
              EDT$$G_PA_CURCMD [RANGE2] = .EDT$$Z_PA_CURRNG;

         [PLUSRAN] :

              IF (EDT$$PA_CRERNGNOD (RAN_PLUS) EQL 0) THEN RETURN (0);

         [MINUSRAN] :

              IF (EDT$$PA_CRERNGNOD (RAN_MINUS) EQL 0) THEN RETURN (0);

         [FORRAN] :

              IF (EDT$$PA_CRERNGNOD (RAN_FOR) EQL 0) THEN RETURN (0);

         [RANNUM] :                                   ! value following FOR, +, ORIGINAL and -
              BEGIN

              IF ((.EDT$$L_PA_NUMVAL [LN_MD] NEQ 0) OR (.EDT$$L_PA_NUMVAL [LN_HI] NEQ 0))
              THEN
```

```
   4                     BEGIN
   4                     EDT$$G_PA_ERRNO = EDT$_NUMVALILL;
   4                     RETURN (0);
   3                     END;
   3
   3                 EDT$$Z_PA_CURRNG [RAN_VAL] = .EDT$$L_PA_NUMVAL [LN_LO];
   2                 END;
   2
   2             [LINE_NUM_RANGE] :                       ! Numeric range value
   2                 MOVELINE (EDT$$L_PA_NUMVAL, EDT$$Z_PA_CURRNG [RAN_VAL]);
   2
   2             [LINE_NUM] :                             ! the line number
   3                 BEGIN
   3
   3                 LOCAL
   3                     MULTIPLIER,
   3                     DIGIT : LN_BLOCK;
   3
   3 !+
   3 ! If the line number coming in is greater than maximum allowed before
   3 ! multiplication by 10**5, then return error
   3 !-
   3
   4                 IF (CMPLNO (EDT$$L_PA_NUMVAL, EDT$$L_MAX_LINES) GTR 0)
   3                 THEN
   4                     BEGIN
   4                     EDT$$G_PA_ERRNO = EDT$_NUMVALILL;
   4                     RETURN (0);
   3                     END;
   3
   3                 MULTLINE (EDT$$L_LNOO [5], EDT$$L_PA_NUMVAL, EDT$$L_PA_NUMVAL);
   3
   4                 IF (CH$RCHAR (.EDT$$A_PA_CURTOK) EQL %C'.')
   3                 THEN
   4                     BEGIN
   4                     MULTIPLIER = 4;
   4
L  4 %IF SUPPORT_VT220
   4 %THEN
   4
   4                     WHILE (.EDT$$B_CHAR_INFO [.EDT$$C_PA_CH, 0, 0, 8, 0] EQL %X'F0') DO
U  4 %ELSE
U  4
U  4                         WHILE ((.EDT$$C_PA_CH GEQ %C'0') AND (.EDT$$C_PA_CH LEQ %C'9')) DO
   4 %FI
   4
   5                         BEGIN
   5                         BUILDLINE (.EDT$$C_PA_CH - %C'0', DIGIT);
   5
   6                         IF (.MULTIPLIER GEQ 0)
   5                         THEN
   6                             BEGIN
   6                             MULTLINE (EDT$$L_LNOO [.MULTIPLIER], DIGIT, DIGIT);
   6                             ADDLINE (DIGIT, EDT$$L_PA_NUMVAL);
   5                             END;
   5
   5                         EDT$$PA_GETCH ();
```

```
 5                                  MULTIPLIER = .MULTIPLIER - 1;
 4                                  END;
 4
 4                          EDT$$PA_SCANTOK ();
 3                          END;
 3
 2                      END;
 2
 2                  [BIN_RANGE] :
 3                      BEGIN
 3
 3                      IF ((EDT$$Z_PA_THRURNG = EDT$$PA_NEW_NOD (RANGE_NODE, 0)) EQL 0) THEN RETURN (0);
 3
 3                      EDT$$Z_PA_THRURNG [RANGE1] = .EDT$$Z_PA_CURRNG;
 2                      END;
 2
 2                  [THRU_RAN] :
 3                      BEGIN
 3                      EDT$$Z_PA_THRURNG [RAN_TYPE] = RAN_THRU;
 3                      EDT$$Z_PA_THRURNG [RANGE2] = .EDT$$Z_PA_CURRNG;
 3                      EDT$$Z_PA_CURRNG = .EDT$$Z_PA_THRURNG;
 2                      END;
 2
 2                  [AND_HEAD] :
 2                      EDT$$Z_PA_ANDLSTHD = .EDT$$Z_PA_CURRNG;
 2
 2                  [AND_NEXT] :                                ! AND or a comma
 3                      BEGIN
 3
 3                      LOCAL
 3                          RANGE : REF NODE_BLOCK;
 3
 3                      RANGE = .EDT$$Z_PA_ANDLSTHD;
 3      !+
 3      ! Find the last range so we can put the new one on the end.
 3      !-
 3
 3                      WHILE (.RANGE [NEXT_RANGE] NEQA 0) DO
 3                          RANGE = .RANGE [NEXT_RANGE];
 3
 3                      RANGE [NEXT_RANGE] = .EDT$$Z_PA_CURRNG;
 3                      EDT$$Z_PA_CURRNG [PREV_RANGE] = .RANGE;
 3                      EDT$$Z_PA_CURRNG = .EDT$$Z_PA_ANDLSTHD;
 2                      END;
 2
 2                  [WHICHSUBS] :                               ! Distinguish SUBSTITUTE from SUBSTITUTE NEXT
 3                      BEGIN
 3
 3                      IF (.OPERAND EQL 1) THEN EDT$$G_PA_CURCMD [COM_NUM] = COM_SUBS_NEXT;
 3
 3      !+
 3      ! Since we are in what seemed to have been a substitute command, the EDT$$G_PA_NOQUO
 3      ! flag must be set.
 3      !-
 3                      ASSERT (.EDT$$G_PA_NOQUO);
 2                      END;
 2
```

```
2          [STRINGS] :                                         ! Get the search and replace strings for SUBSTITUTE
3              BEGIN
3
3              LOCAL
3                  STRNODE : REF NODE_BLOCK,
3                  CURSOR,
3                  QUOTE;
3
3  !+
3  ! The EDT$$G_PA_NOQUO  flag had better be set, to keep the scanner from having
3  ! swallowed a quoted string.  Consider the following case:
3  !
3  !        *SUBSTITUTE 'A'B'
3  !
3  ! We must use ' as the delimeter, but the scanner would absorb 'A' as a single (string)
3  ! token unless the flag is set.  We clear the flag here since we will not be calling
3  ! the scanner again until after we have scanned out two strings.
3  !-
3              ASSERT (.EDT$$G_PA_NOQUO);
3              EDT$$G_PA_NOQUO = 0;
3
3              IF ((STRNODE = EDT$$PA_NEW_NOD (STR_NODE, 0)) EQL 0) THEN RETURN (0);
3
3              EDT$$G_PA_CURCMD [STR_PNT] = .STRNODE;
3
4              IF (.EDT$$G_PA_TOKCLASS NEQ CL_SPECIAL)
3              THEN
4                  BEGIN
4                  EDT$$G_PA_ERRNO = EDT$_NONALPNUM;
4                  RETURN (0);
3                  END;
3
3              QUOTE = CH$RCHAR (.EDT$$A_PA_CURTOK);
3              CURSOR = CH$PLUS (.EDT$$A_PA_CURTOK, 1);
3              STRNODE [SRCHADDR] = .CURSOR;
3
3              UNTIL ((CH$RCHAR (.CURSOR) EQL .QUOTE) OR (.CURSOR GEQU .EDT$$A_CMD_END)) DO
3                  CURSOR = CH$PLUS (.CURSOR, 1);
3
3              STRNODE [SRCHLEN] = .CURSOR - .EDT$$A_PA_CURTOK - 1;
3              CURSOR = CH$PLUS (.CURSOR, 1);
3
4              IF (.CURSOR GTRU .EDT$$A_CMD_END)
3              THEN
4                  BEGIN
4                  EDT$$G_PA_ERRNO = EDT$_INVSTR;
4                  RETURN (0);
3                  END;
3
3              STRNODE [REPADDR] = .CURSOR;
3
3              UNTIL ((CH$RCHAR (.CURSOR) EQL .QUOTE) OR (.CURSOR GEQU .EDT$$A_CMD_END)) DO
3                  CURSOR = CH$PLUS (.CURSOR, 1);
3
3              STRNODE [REPLEN] = .CURSOR - .STRNODE [REPADDR];
3              EDT$$A_CMD_BUF = CH$PLUS (.CURSOR, 1);
3              EDT$$PA_GETCH ();
```

```
    EDT$$PA_SCANTOK ();

    IF ((.STRNODE [REPLEN] EQL 0) AND (.STRNODE [SRCHLEN] EQL 0))
    THEN
        BEGIN
        EDT$$G_PA_ERRNO = EDT$_SUBSTRNUL;
        RETURN (0);
        END;

    END;

[DEFAULT_STRINGS] :                     ! We will be using the strings from the last SUB or SUB NEXT
    BEGIN
    ASSERT (.EDT$$G_PA_NOQUO);
    EDT$$G_PA_NOQUO = 0;
    END;

[FILSPC] :                              ! Scan a file name
    BEGIN

    LOCAL
        SCAN_DONE,                      ! 1 = file name scan complete
        CHAR,                           ! Current character being processed
        QUOTE_CHAR;                     ! 0 = not in a string, non-zero = right quote character

    ASSERT ((%C'"' NEQ 0) AND (%C'''' NEQ 0));
    EDT$$G_PA_CURCMD [FILSPEC] = .EDT$$A_PA_CURTOK;
    EDT$$A_CMD_BUF = .EDT$$A_PA_CURTOK;
    SCAN_DONE = 0;
    QUOTE_CHAR = 0;

    WHILE ( NOT .SCAN_DONE) DO

        IF CH$PTR_GTR (.EDT$$A_CMD_BUF, .EDT$$A_CMD_END)
        THEN
            SCAN_DONE = 1
        ELSE
            BEGIN
            CHAR = CH$RCHAR_A (EDT$$A_CMD_BUF);

            IF (.QUOTE_CHAR EQL 0)
            THEN

                SELECTONE .CHAR OF
                    SET

                    [%C' ', %C'/'] :
                        SCAN_DONE = 1;

                    [%C'"', %C''''] :
                        QUOTE_CHAR = .CHAR;

                    [OTHERWISE] :
                        BEGIN
                        0
                        END;
                    TES
            ELSE

                IF (.CHAR EQL .QUOTE_CHAR) THEN QUOTE_CHAR = 0;

            END;

    EDT$$C_PA_CH = .CHAR;
    EDT$$G_PA_CURCMD [FSPCLEN] = .EDT$$A_CMD_BUF - .EDT$$G_PA_CURCMD [FILSPEC] - 1;
    EDT$$PA_SCANTOK ();
    END;

[HELPSTR] :
    BEGIN
    EDT$$G_PA_CURCMD [FILSPEC] = .EDT$$A_PA_CURTOK;
    EDT$$A_CMD_BUF = .EDT$$A_PA_CURTOK;
    EDT$$PA_GETCH ();

    WHILE ((.EDT$$C_PA_CH NEQ %C'!') AND (.EDT$$C_PA_CH NEQ %C';')) DO
        EDT$$PA_GETCH ();

    EDT$$G_PA_CURCMD [FSPCLEN] = .EDT$$A_CMD_BUF - .EDT$$G_PA_CURCMD [FILSPEC] - 1;
    EDT$$PA_SCANTOK ();
    END;

[CHKALPHA] :

    IF ((.EDT$$G_PA_TOKCLASS EQL CL_NAME) AND ( NOT .EDT$$G_PA_PCENT))
    THEN
        BEGIN
        EDT$$G_PA_ERRNO = EDT$_UNRCOM;
        RETURN (0);
        END;

[A_SWITCH] :
    BEGIN

    LOCAL
        SWITCH_NODE : REF NODE_BLOCK;

    IF (.EDT$$G_PA_CURCMD [SWITS] EQL 0)
    THEN
        BEGIN

        IF ((SWITCH_NODE = EDT$$PA_NEW_NOD (SW_NODE, 0)) EQL 0) THEN RETURN (0);

        EDT$$G_PA_CURCMD [SWITS] = .SWITCH_NODE;
        END
    ELSE
        SWITCH_NODE = .EDT$$G_PA_CURCMD [SWITS];

    IF ((.SWITCH_NODE [SW_BITS] AND (1^.OPERAND)) NEQ 0) THEN RETURN (0);

    SWITCH_NODE [SW_BITS] = (.SWITCH_NODE [SW_BITS] OR (1^.OPERAND));
    END;

[SWITCH_1] :
```

```
                BEGIN

                BIND
                    SWITCH = .EDT$$G_PA_CURCMD [SWITS] : NODE_BLOCK;

                MOVELINE (EDT$$L_PA_NUMVAL, SWITCH [SW_VAL1]);
                SWITCH [SEQ_VAL] = T;
                END;

            [SWITCH_2] :
                BEGIN

                BIND
                    SWITCH = .EDT$$G_PA_CURCMD [SWITS] : NODE_BLOCK;

                MOVELINE (EDT$$L_PA_NUMVAL, SWITCH [SW_VAL2]);
                END;

            [SETTYPE] :
                EDT$$G_PA_CURCMD [SET_TYPE] = .OPERAND;

            [SETVAL] :
                EDT$$G_PA_CURCMD [SET_VAL] = .OPERAND;

            [SET_ARG] :
                BEGIN

                IF ((.EDT$$L_PA_NUMVAL [LN_LO] GTRU 32767) OR         !
                    (.EDT$$L_PA_NUMVAL [LN_MD] NEQ 0) OR     !
                    (.EDT$$L_PA_NUMVAL [LN_HI] NEQ 0))
                THEN
                    BEGIN
                    EDT$$G_PA_ERRNO = EDT$_NUMVALILL;
                    RETURN (0);
                    END;

                EDT$$G_PA_CURCMD [SET_VAL] = .EDT$$L_PA_NUMVAL [LN_LO];
                END;

            [SET_ARG1] :
                BEGIN

                IF ((.EDT$$L_PA_NUMVAL [LN_LO] GTRU 32767) OR         !
                    (.EDT$$L_PA_NUMVAL [LN_MD] NEQ 0) OR     !
                    (.EDT$$L_PA_NUMVAL [LN_HI] NEQ 0))
                THEN
                    BEGIN
                    EDT$$G_PA_ERRNO = EDT$_NUMVALILL;
                    RETURN (0);
                    END;

                EDT$$G_PA_CURCMD [SET_VAL1] = .EDT$$L_PA_NUMVAL [LN_LO];
                END;

            [DEF_KEY] :                            ! Start of key description
                BEGIN
                EDT$$G_DEFKEY = 1;
```

```
	    END;

	[KEY_NUM] :					! Key number
		BEGIN
		EDT$$G_PA_CURCMD [KEY_VAL] = .EDT$$L_PA_NUMVAL [LN_LO] + K_KPAD_BASE;

		IF ((.EDT$$L_PA_NUMVAL [LN_LO] GTRU 32767) OR		!
		    (.EDT$$L_PA_NUMVAL [LN_MD] NEQ 0) OR	!
		    (.EDT$$L_PA_NUMVAL [LN_HI] NEQ 0))
		THEN
		    BEGIN
		    EDT$$G_PA_ERRNO = EDT$_NUMVALILL;
		    RETURN (0);
		    END;

		IF (.EDT$$L_PA_NUMVAL [LN_LO] GTR 21)
		THEN
		    BEGIN
		    EDT$$G_PA_ERRNO = EDT$_KEYNOTDEF;
		    RETURN (0);
		    END;

		END;

	[GOLD_KEY_NUM] :				! GOLD key number
		BEGIN
		EDT$$G_PA_CURCMD [KEY_VAL] = .EDT$$L_PA_NUMVAL [LN_LO] + K_KPAD_BASE + K_GOLD_BASE;

		IF ((.EDT$$L_PA_NUMVAL [LN_LO] GTRU 32767) OR		!
		    (.EDT$$L_PA_NUMVAL [LN_MD] NEQ 0) OR	!
		    (.EDT$$L_PA_NUMVAL [LN_HI] NEQ 0))
		THEN
		    BEGIN
		    EDT$$G_PA_ERRNO = EDT$_NUMVALILL;
		    RETURN (0);
		    END;

		IF (.EDT$$L_PA_NUMVAL [LN_LO] GTR 21)
		THEN
		    BEGIN
		    EDT$$G_PA_ERRNO = EDT$_KEYNOTDEF;
		    RETURN (0);
		    END;

		END;

	[DEF_GOLD_DEL] :
		BEGIN
		EDT$$G_PA_CURCMD [KEY_VAL] = ASC_K_DEL + K_GOLD_BASE;
		END;

	[DEF_DELETE] :
		BEGIN
		EDT$$G_PA_CURCMD [KEY_VAL] = ASC_K_DEL;
		END;

	[DEF_CHAR] :
```

```
            BEGIN
            EDT$$G_PA_ERRNO = EDT$_KEYNOTDEF;
            RETURN (0);
            END;

        [DEF_GOLD_CHAR] :
            BEGIN

            LOCAL
                CHAR;

            CHAR = CH$RCHAR (.EDT$$A_PA_CURTOK);
            EDT$$G_PA_CURCMD [KEY_VAL] = .CHAR + K_GOLD_BASE;

            IF ((.EDT$$G_PA_CURTOKLEN NEQ 1) OR            ! Other than one char in string

L   %IF SUPPORT_VT220
    %THEN
                (.EDT$$B_CHAR_INFO [.CHAR, 0, 0, 8, 0] EQL %X'F0') OR    ! Digit
U   %ELSE
U               ((.CHAR GEQ %C'0') AND (.CHAR LEQ %C'9')) OR    ! Digit
    %FI

                (.CHAR LSS 32) OR                    ! C0 control char (must use CONTROL)
                (.CHAR GTR 255) OR                   ! Not a character
                ((.CHAR GEQ 128) AND (.CHAR LSS 128 + 32)) OR   ! C1 control char
                (.CHAR EQL ASC_K_DEL))               ! DEL (must use DELETE)
            THEN
                BEGIN
                EDT$$G_PA_ERRNO = EDT$_KEYNOTDEF;
                RETURN (0);
                END;

            EDT$$PA_SCANTOK ();
            END;

        [GOLD_CONT] :
            BEGIN

            LOCAL
                CHAR;

            CHAR = CH$RCHAR (.EDT$$A_PA_CURTOK) - 64;
            EDT$$G_PA_CURCMD [KEY_VAL] = .CHAR + K_GOLD_BASE;

            IF ((.EDT$$G_PA_CURTOKLEN NEQ 1) OR            !
                (.CHAR LSS 0) OR                           !
                (.CHAR GTR 255) OR                         !
                ((.CHAR GEQ 32) AND (.CHAR LSS 128)) OR            !
                (.CHAR GEQ 128 + 32))
            THEN
                BEGIN
                EDT$$G_PA_ERRNO = EDT$_KEYNOTDEF;
                RETURN (0);
                END;

            EDT$$PA_SCANTOK ();
            END;

        [CONT_CHAR] :
            BEGIN

            LOCAL
                CHAR;

            CHAR = CH$RCHAR (.EDT$$A_PA_CURTOK) - 64;
            EDT$$G_PA_CURCMD [KEY_VAL] = .CHAR;

            IF ((.EDT$$G_PA_CURTOKLEN NEQ 1) OR           !
                (.CHAR LSS 0) OR                          !
                (.CHAR GTR 255) OR                        !
                ((.CHAR GEQ 32) AND (.CHAR LSS 128)) OR           !
                (.CHAR GEQ 128 + 32))
            THEN
                BEGIN
                EDT$$G_PA_ERRNO = EDT$_KEYNOTDEF;
                RETURN (0);
                END;

            EDT$$PA_SCANTOK ();
            END;

        [DEF_FUN] :
            BEGIN
            EDT$$G_PA_CURCMD [KEY_VAL] = .EDT$$L_PA_NUMVAL [LN_LO] + K_FUN_BASE;

            IF ((.EDT$$L_PA_NUMVAL [LN_LO] GTRU 32767) OR         !
                (.EDT$$L_PA_NUMVAL [LN_MD] NEQ 0) OR     !
                (.EDT$$L_PA_NUMVAL [LN_HI] NEQ 0))
            THEN
                BEGIN
                EDT$$G_PA_ERRNO = EDT$_NUMVALILL;
                RETURN (0);
                END;

            IF (.EDT$$L_PA_NUMVAL [LN_LO] GTR K_MAX_FUN_VAL)
            THEN
                BEGIN
                EDT$$G_PA_ERRNO = EDT$_KEYNOTDEF;
                RETURN (0);
                END;

            END;

        [DEF_GOLD_FUN] :
            BEGIN
            EDT$$G_PA_CURCMD [KEY_VAL] = .EDT$$L_PA_NUMVAL [LN_LO] + K_FUN_BASE + K_GOLD_BASE;

            IF ((.EDT$$L_PA_NUMVAL [LN_LO] GTRU 32767) OR         !
                (.EDT$$L_PA_NUMVAL [LN_MD] NEQ 0) OR     !
                (.EDT$$L_PA_NUMVAL [LN_HI] NEQ 0))
            THEN
                BEGIN
                EDT$$G_PA_ERRNO = EDT$_NUMVALILL;
```

```
4               RETURN (0);
3               END;
3
4           IF (.EDT$$L_PA_NUMVAL [LN_LO] GTR K_MAX_FUN_VAL)
3           THEN
4               BEGIN
4               EDT$$G_PA_ERRNO = EDT$_KEYNOTDEF;
4               RETURN (0);
3               END;
3
2           END;
2
2       [AS_STRING] :
3           BEGIN
3           EDT$$G_PA_CURCMD [AS_STR] = .EDT$$A_PA_PRVTOK + 1;
3           EDT$$G_PA_CURCMD [AS_LEN] = .EDT$$G_PA_PRVTOKLEN;
2           END;
2
2       [INIT_SEQ] :
3           BEGIN
3
3           BIND
3               SWIT = .EDT$$G_PA_CURCMD [SWITS] : NODE_BLOCK;
3
3           MOVELINE (EDT$$L_LNO0 [5], SWIT [SW_VAL1]);
3           MOVELINE (EDT$$L_LNO0 [5], SWIT [SW_VAL2]);
3           SWIT [SEQ_VAL] = 0;
2           END;
2
2       [DEF_MAC] :
3           BEGIN
3           EDT$$G_PA_CURCMD [RANGE1] = .EDT$$Z_PA_CURRNG;
3           EDT$$G_PA_CURCMD [COM_NUM] = COM_DEF_MAC;
2           END;
2
2       [TABCOUNT] :
3           BEGIN
3
3           LOCAL
3               NEG;
3
3           NEG = 0;
3
4           IF (CH$RCHAR (.EDT$$A_PA_CURTOK) EQL %C'-')
3           THEN
4               BEGIN
4               NEG = .NEG + 1;
4               EDT$$PA_SCANTOK ();
3               END;
3
4           IF (.EDT$$G_PA_TOKCLASS NEQ CL_NUMBER)
3           THEN
4               BEGIN
4               EDT$$G_PA_ERRNO = EDT$_NUMVALREQ;
4               RETURN (0);
3               END;
3
```

```
        IF ((.EDT$$L_PA_NUMVAL [LN_LO] GTRU 32767) OR        !
            (.EDT$$L_PA_NUMVAL [LN_MD] NEQ 0) OR    !
            (.EDT$$L_PA_NUMVAL [LN_HI] NEQ 0))
        THEN
            BEGIN
            EDT$$G_PA_ERRNO = EDT$_NUMVALILL;
            RETURN (0);
            END;

        IF ((.EDT$$L_PA_NUMVAL [LN_LO]*.EDT$$G_TAB_SIZ) GTR 255)
        THEN
            BEGIN
            EDT$$G_PA_ERRNO = EDT$_NUMVALILL;
            RETURN (0);
            END;

        IF .NEG
        THEN
            EDT$$G_PA_CURCMD [TAB_COUNT] = -.EDT$$L_PA_NUMVAL [LN_LO]
        ELSE
            EDT$$G_PA_CURCMD [TAB_COUNT] = .EDT$$L_PA_NUMVAL [LN_LO];

        EDT$$PA_SCANTOK ();
        END;

    [BAD_PARAM] :
        EDT$$G_PA_ERRNO = EDT$_INVPARFOR;

    [BAD_VALUE] :
        EDT$$G_PA_ERRNO = EDT$_INVVALSET;

    [REQ_NUM] :
        EDT$$G_PA_ERRNO = EDT$_NUMVALREQ;

    [REQ_STRING] :
        EDT$$G_PA_ERRNO = EDT$_QUOSTRREQ;

    [BAD_RANGE] :
        EDT$$G_PA_ERRNO = EDT$_ERRRANSPC;

    [BAD_OPTION] :
        EDT$$G_PA_ERRNO = EDT$_ERRCOMOPT;

    [UNREC_OPTION] :
        EDT$$G_PA_ERRNO = EDT$_UNRCOMOPT;

    [REQ_COLON] :
        EDT$$G_PA_ERRNO = EDT$_COLONREQ;

    [MACORKEY] :
        EDT$$G_PA_ERRNO = EDT$_MACKEYREQ;

    [ENTITY_ERR] :
        EDT$$G_PA_ERRNO = EDT$_ENTMUSTBE;

    [REQ_AS] :
        BEGIN
```

```
;  968       1821  3                EDT$$G_DEFKEY = 0;                    ! don't accept quoted key anymore
;  969       1822  3                EDT$$G_PA_ERRNO = EDT$_ASREQ;
;  970       1823  2                END;
;  971       1824  2
;  972       1825  2            [NO_ACTION] :
;  973       1826  2            ;
;  974       1827  2
;  975       1828  2            [OUTRANGE] :
;  976       1829  2                ASSERT (0);
;  977       1830  2            TES;
;  978       1831  2
;  979       1832  2        RETURN (1);
;  980       1833  1        END;                                      ! of routine EDT$$PA_SEMRUT


                                                                          .TITLE  EDT$PRSEMRTN EDT$PRSEMRTN - parser semantic act
;                                                                                                  ions
                                                                          .IDENT  \V04-000\

                                                                          .EXTRN  EDT$$PA_SCANTOK
                                                                          .EXTRN  EDT$$PA_APPDIG, EDT$$PA_GETCH
                                                                          .EXTRN  EDT$$PA_CRERNGNOD
                                                                          .EXTRN  EDT$$PA_NEW_NOD
                                                                          .EXTRN  EDT$$L_MAX_LINES
                                                                          .EXTRN  EDT$$A_CMD_BUF, EDT$$A_CMD_END
                                                                          .EXTRN  EDT$$Z_PA_ANDLSTHD
                                                                          .EXTRN  EDT$$Z_PA_BUFRNG
                                                                          .EXTRN  EDT$$C_PA_CH, EDT$$G_PA_CURCMD
                                                                          .EXTRN  EDT$$Z_PA_CURRNG
                                                                          .EXTRN  EDT$$A_PA_CURTOK
                                                                          .EXTRN  EDT$$G_DEFKEY, EDT$$G_PA_CURTOKLEN
                                                                          .EXTRN  EDT$$G_PA_ERRNO
                                                                          .EXTRN  EDT$$L_PA_NUMVAL
                                                                          .EXTRN  EDT$$G_PA_PCENT
                                                                          .EXTRN  EDT$$A_PA_PRVTOK
                                                                          .EXTRN  EDT$$G_PA_PRVTOKLEN
                                                                          .EXTRN  EDT$$G_PA_SP, EDT$$Z_PA_THRURNG
                                                                          .EXTRN  EDT$$G_PA_TOKCLASS
                                                                          .EXTRN  EDT$$G_PA_NOQUO
                                                                          .EXTRN  EDT$$L_LNO0, EDT$$B_CHAR_INFO
                                                                          .EXTRN  EDT$$G_TAB_SIZ, EDT$_INVBUFNAM
                                                                          .EXTRN  EDT$_QUOSTRREQ, EDT$_NONALPNUM
                                                                          .EXTRN  EDT$_SUBSTRNUL, EDT$_UNRCOM
                                                                          .EXTRN  EDT$_KEYNOTDEF, EDT$_NUMVALREQ
                                                                          .EXTRN  EDT$_INVPARFOR, EDT$_INVVALSET
                                                                          .EXTRN  EDT$_ERRRANSPC, EDT$_ERRCOMOPT
                                                                          .EXTRN  EDT$_UNRCOMOPT, EDT$_COLONREQ
                                                                          .EXTRN  EDT$_MACKEYREQ, EDT$_ENTMUSTBE
                                                                          .EXTRN  EDT$_ASREQ, EDT$_INVSTR
                                                                          .EXTRN  EDT$_NUMVALILL, EDT$$INTER_ERR

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

                                                       0FFC 00000         .ENTRY  EDT$$PA_SEMRUT, Save R2,R3,R4,R5,R6,R7,R8,-  ; 0968
                                                                                  R9,R10,R11                                   ;
                                   5B 00000000G  00  9E 00002         MOVAB   EDT$$A_PA_CURTOK, R11                        ;
                                   5A 00000000G  00  9E 00009         MOVAB   EDT$$Z_PA_CURRNG, R10                        ;
```

```
                                                                         H  6
EDT$PRSEMRTN      EDT$PRSEMRTN - parser semantic actions           16-Sep-1984 01:23:05     VAX-11 Bliss-32 V4.0-742                Page  20
V04-000           EDT$$PA_SEMRUT  - parser semantic actions        14-Sep-1984 12:24:15     DISK$VMSMASTER:[EDT.SRC]PRSEMRTN.BLI;1   (3)

                                   59 00000000G  00  9E 00010           MOVAB   EDT$$G_PA_ERRNO, R9                                ;
                                   58 00000000G  00  9E 00017           MOVAB   EDT$$G_PA_CURCMD, R8                               ;
                                   57 00000000G  00  9E 0001E           MOVAB   EDT$$L_PA_NUMVAL, R7                               ;
                                   5E            18  C2 00025           SUBL2   #24, SP                                            ;
                       3B          01       04   AC  CF 00028           CASEL   WHICH, #1, #59                                     ; 1066
      07E2             077B        078D        0537     0002D 1$:       .WORD   95$-1$,-                                           ;
      0343             041C        00F4        01E5     00035                   145$-1$,-                                          ;
      07CC             050D        019D        01C4     0003D                   142$-1$,-                                          ;
      0325             070E        0405        052D     00045                   155$-1$,-                                          ;
      007B             04C0        01A3        0483     0004D                   37$-1$,-                                           ;
      01DA             01B4        0161        00C3     00055                   8$-1$,-                                            ;
      00E0             0700        079F        01AC     0005D                   75$-1$,-                                           ;
      02F7             0300        06CB        0133     00065                   62$-1$,-                                           ;
      0141             07B1        07A8        04D9     0006D                   30$-1$,-                                           ;
      06E1             02C0        02E3        01B0     00075                   21$-1$,-                                           ;
      0585             05CF        057C        06C2     0007D                   92$-1$,-                                           ;
      0542             012A        055F        0657     00085                   153$-1$,-                                          ;
      05B9             06AD        0784        07BA     0008D                   94$-1$,-                                           ;
      068D             0796        07C3        07D5     00095                   72$-1$,-                                           ;
      051F             05A5        061E        05C4     0009D                   133$-1$,-                                          ;
                                                                                58$-1$,-                                           ;
                                                                                83$-1$,-                                           ;
                                                                                22$-1$,-                                           ;
                                                                                87$-1$,-                                           ;
                                                                                2$-1$,-                                            ;
                                                                                6$-1$,-                                            ;
                                                                                16$-1$,-                                           ;
                                                                                26$-1$,-                                           ;
                                                                                35$-1$,-                                           ;
                                                                                24$-1$,-                                           ;
                                                                                148$-1$,-                                          ;
                                                                                131$-1$,-                                          ;
                                                                                7$-1$,-                                            ;
                                                                                12$-1$,-                                           ;
                                                                                129$-1$,-                                          ;
                                                                                55$-1$,-                                           ;
                                                                                54$-1$,-                                           ;
                                                                                89$-1$,-                                           ;
                                                                                149$-1$,-                                          ;
                                                                                150$-1$,-                                          ;
                                                                                13$-1$,-                                           ;
                                                                                25$-1$,-                                           ;
                                                                                52$-1$,-                                           ;
                                                                                49$-1$,-                                           ;
                                                                                130$-1$,-                                          ;
                                                                                128$-1$,-                                          ;
                                                                                99$-1$,-                                           ;
                                                                                110$-1$,-                                          ;
                                                                                101$-1$,-                                          ;
                                                                                117$-1$,-                                          ;
                                                                                98$-1$,-                                           ;
                                                                                10$-1$,-                                           ;
                                                                                97$-1$,-                                           ;
                                                                                151$-1$,-                                          ;
                                                                                144$-1$,-                                          ;
                                                                                125$-1$,-                                          ;
                                                                                106$-1$,-                                          ;
```

```
                                                                          154$-1$,-                   ;
                                                                          152$-1$,-                   ;
                                                                          147$-1$,-                   ;
                                                                          122$-1$,-                   ;
                                                                          108$-1$,-                   ;
                                                                          114$-1$,-                   ;
                                                                          104$-1$,-                   ;
                                                                          93$-1$                      ;
                                    02BE   31 000A5          BRW         60$                         ; 1829
                          00000000G  00    D5 000A8  2$:     TSTL        EDT$$G_PA_NOQUO             ; 1075
                                     07    13 000AE          BEQL        3$                          ;
                00000000G  00        00    FB 000B0          CALLS       #0, EDT$$INTER_ERR          ;
                          00000000G  00    D4 000B7  3$:     CLRL        EDT$$G_DEFKEY               ; 1076
                           50        68    D0 000BD          MOVL        EDT$$G_PA_CURCMD, R0        ; 1078
                                     08    13 000C0          BEQL        4$                          ;
                10      A0 00000000G 00    D0 000C2          MOVL        EDT$$G_PA_SP, 16(R0)        ;
                                08   AC    DD 000CA  4$:     PUSHL       OPERAND                     ; 1080
                                     01    DD 000CD          PUSHL       #1                          ;
                00000000G  00        02    FB 000CF          CALLS       #2, EDT$$PA_NEW_NOD         ;
                           68        50    D0 000D6          MOVL        R0, EDT$$G_PA_CURCMD        ;
                                     62    13 000D9          BEQL        9$                          ;
                           10   08   AC    D1 000DB          CMPL        OPERAND, #16                ; 1086
                                     06    13 000DF          BEQL        5$                          ;
                           13   08   AC    D1 000E1          CMPL        OPERAND, #19                ;
                                     77    12 000E5          BNEQ        11$                         ;
                00000000G  00        01    D0 000E7  5$:     MOVL        #1, EDT$$G_PA_NOQUO         ;
                                     6E    11 000EE          BRB         11$                         ; 1066
                                08   AC    DD 000F0  6$:     PUSHL       OPERAND                     ; 1093
                                     02    DD 000F3          PUSHL       #2                          ;
                00000000G  00        02    FB 000F5          CALLS       #2, EDT$$PA_NEW_NOD         ;
                           6A        50    D0 000FC          MOVL        R0, EDT$$Z_PA_CURRNG        ;
                                     3C    13 000FF          BEQL        9$                          ;
                        01 00000000G 00    D1 00101          CMPL        EDT$$G_PA_TOKCLASS, #1      ; 1095
                                     7C    12 00108          BNEQ        14$                         ;
                                   00FA    31 0010A          BRW         35$                         ; 1097
                                08   AC    D5 0010D  7$:     TSTL        OPERAND                     ; 1104
                                     7A    13 00110          BEQL        15$                         ;
         7E             08   AC      07    C1 00112          ADDL3       #7, OPERAND, -(SP)          ; 1107
                                     15    DD 00117          PUSHL       #21                         ;
                    FEE2   CF        02    FB 00119          CALLS       #2, EDT$$PA_SEMRUT          ;
                                   00C9    31 0011E          BRW         28$                         ;
                        69 00000000G 8F    D0 00121  8$:     MOVL        #EDT$_INVBUFNAM, EDT$$G_PA_ERRNO  ; 1113
                00000000G  00        00    FB 00128          CALLS       #0, EDT$$PA_APPDIG          ; 1115
                           68        50    E9 0012F          BLBC        R0, 17$                     ;
                                     0D    DD 00132          PUSHL       #13                         ; 1117
                                     15    DD 00134          PUSHL       #21                         ;
                    FEC5   CF        02    FB 00136          CALLS       #2, EDT$$PA_SEMRUT          ;
                                     50    D5 0013B          TSTL        R0                          ;
                                     79    13 0013D  9$:     BEQL        18$                         ;
                           50        6A    D0 0013F          MOVL        EDT$$Z_PA_CURRNG, R0        ; 1119
                      08   A0        6B    D0 00142          MOVL        EDT$$A_PA_CURTOK, 8(R0)     ;
                      0C   A0 00000000G 00 D0 00146          MOVL        EDT$$G_PA_CURTOKLEN, 12(R0) ; 1120
                00000000G  00        50    D0 0014E          MOVL        R0, EDT$$Z_PA_BUFRNG        ; 1121
                                     70    11 00155          BRB         20$                         ; 1122
                00000000G  00        00    FB 00157  10$:    CALLS       #0, EDT$$PA_APPDIG          ; 1126
                                     77    11 0015E  11$:    BRB         23$                         ;
                        50 00000000G 00    D0 00160  12$:    MOVL        EDT$$Z_PA_BUFRNG, R0        ; 1130
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                                                          J  6
EDT$PRSEMRTN      EDT$PRSEMRTN - parser semantic actions          16-Sep-1984 01:23:05    VAX-11 Bliss-32 V4.0-742              Page  22
V04-000           EDT$$PA_SEMRUT  - parser semantic actions       14-Sep-1984 12:24:15    DISK$VMSMASTER:[EDT.SRC]PRSEMRTN.BLI;1   (3)

                 04    A0                  6A  D0 00167          MOVL    EDT$$Z_PA_CURRNG, 4(R0)                                 ;
                                         01B1  31 0016B          BRW     53$                                                     ; 1131
                 50                        6A  D0 0016E  13$:    MOVL    EDT$$Z_PA_CURRNG, R0                                    ; 1136
                 04    A0 00000000G        00  D0 00171          MOVL    EDT$$G_PA_PRVTOKLEN, 4(R0)                              ;
          08     A0 00000000G  00          01  C1 00179          ADDL3   #1, EDT$$A_PA_PRVTOK, 8(R0)                             ; 1137
                       0F           01     A0  91 00182          CMPB    1(R0), #15                                              ; 1139
                                           7D  12 00186  14$:    BNEQ    34$                                                     ;
                 01    A0                  12  90 00188          MOVB    #18, 1(R0)                                              ;
                                           77  11 0018C  15$:    BRB     34$                                                     ; 1066
                 52                        6A  D0 0018E  16$:    MOVL    EDT$$Z_PA_CURRNG, SUB_RAN                               ; 1149
                                           13  DD 00191          PUSHL   #19                                                     ; 1151
                                           15  DD 00193          PUSHL   #21                                                     ;
               FE66    CF                  02  FB 00195          CALLS   #2, EDT$$PA_SEMRUT                                      
                       51                  50  E9 0019A  17$:    BLBC    R0, 29$                                                 
                       50                  6A  D0 0019D          MOVL    EDT$$Z_PA_CURRNG, R0                                    ; 1156
                 10    A0                  52  D0 001A0          MOVL    SUB_RAN, T6(R0)                                         ;
                 14    A2                  50  D0 001A4          MOVL    R0, 20(SUB_RAN)                                         ; 1157
                       03 00000000G        00  D1 001A8          CMPL    EDT$$G_PA_TOKCLASS, #3                                  ; 1159
                                           09  13 001AF          BEQL    19$                                                     ;
                       69 00000000G        8F  D0 001B1          MOVL    #EDT$_QUOSTRREQ, EDT$$G_PA_ERRNO                        ; 1162
                                           34  11 001B8  18$:    BRB     29$                                                     ; 1163
                 04    A0 00000000G        00  D0 001BA  19$:    MOVL    EDT$$G_PA_CURTOKLEN, 4(R0)                              ; 1166
          08     A0                  6B    01  C1 001C2          ADDL3   #1, EDT$$A_PA_CURTOK, 8(R0)                             ; 1167
                                         05D5  31 001C7  20$:    BRW     141$                                                    ; 1168
                 50                        68  D0 001CA  21$:    MOVL    EDT$$G_PA_CURCMD, R0                                    ; 1172
                                         013A  31 001CD          BRW     51$                                                     ;
                 50                        68  D0 001D0  22$:    MOVL    EDT$$G_PA_CURCMD, R0                                    ; 1175
                 08    A0                  6A  D0 001D3          MOVL    EDT$$Z_PA_CURRNG, 8(R0)                                 ;
                                           36  11 001D7  23$:    BRB     36$                                                     ;
                                           0E  DD 001D9  24$:    PUSHL   #14                                                     ; 1179
                                           06  11 001DB          BRB     27$                                                     ;
                                           0F  DD 001DD  25$:    PUSHL   #15                                                     ; 1183
                                           02  11 001DF          BRB     27$                                                     ;
                                           10  DD 001E1  26$:    PUSHL   #16                                                     ; 1187
            00000000G  00                  01  FB 001E3  27$:    CALLS   #1, EDT$$PA_CRERNGNOD                                   ;
                                           50  D5 001EA  28$:    TSTL    R0                                                      ;
                                           21  12 001EC          BNEQ    36$                                                     ;
                                         0622  31 001EE  29$:    BRW     156$                                                    ;
                                    02     A7  B5 001F1  30$:    TSTW    EDT$$L_PA_NUMVAL+2                                      ; 1192
                                           03  12 001F4          BNEQ    31$                                                     ;
                                    04     A7  B5 001F6          TSTW    EDT$$L_PA_NUMVAL+4                                      ;
                                           03  13 001F9  31$:    BEQL    33$                                                     ;
                                         0587  31 001FB  32$:    BRW     137$                                                    ;
                 50                        6A  D0 001FE  33$:    MOVL    EDT$$Z_PA_CURRNG, R0                                    ; 1199
                 04    A0                  67  3C 00201          MOVZWL  EDT$$L_PA_NUMVAL, 4(R0)                                 ;
                                           08  11 00205  34$:    BRB     36$                                                     ; 1066
                 50                        6A  D0 00207  35$:    MOVL    EDT$$Z_PA_CURRNG, R0                                    ; 1203
          04     A0                  67    06  28 0020A          MOVC3   #6, EDT$$[_PA_NUMVAL, 4(R0)                             ;
                                         05FD  31 0020F  36$:    BRW     155$                                                    ;
                 52           04           A7  3C 00212  37$:    MOVZWL  HIGH_1, R2                                              ; 1217
                 50 00000000G              00  3C 00216          MOVZWL  HIGH_2, R0                                              ;
                 50                        52  D1 0021D          CMPL    R2, R0                                                  ;
                                           11  1F 00220          BLSSU   38$                                                     ;
                                           1A  12 00222          BNEQ    40$                                                     ;
                 51                        67  D0 00224          MOVL    LOW_1, R1                                               ;
                 50 00000000G              00  D0 00227          MOVL    LOW_2, R0                                               ;
                 50                        51  D1 0022E          CMPL    R1, R0                                                  ;
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                                      05  1E 00231          BGEQU   39$                                       ;
                    50                01  CE 00233  38$:    MNEGL   #1, R0                                    ;
                                      09  11 00236          BRB     41$                                       ;
                                      04  12 00238  39$:    BNEQ    40$                                       ;
                                      50  D4 0023A          CLRL    R0                                        ;
                                      03  11 0023C          BRB     41$                                       ;
                    50                01  D0 0023E  40$:    MOVL    #1, R0                                    ;
                                      B8  14 00241  41$:    BGTR    32$                                       ;
               08   AE                67  D0 00243          MOVL    EDT$$L_PA_NUMVAL, M2                      ; 1224
               0C   AE                52  D0 00247          MOVL    R2, M2+4                                  ;
                    6E                7C  00024B            CLRQ    P                                         ;
                    50                10  D0 0024D          MOVL    #16, I                                    ;
       6E           6E                01  79 00250  42$:    ASHQ    #1, P, P                                  ;
       09 00000000G 00                50  E1 00254          BBC     I, M1, 43$                                ;
                    6E          08    AE  C0 0025C          ADDL2   M2, P                                     ;
               04   AE          0C    AE  D8 00260          ADWC    M2, P                                     ;
                    E8                50  F4 00265  43$:    SOBGEQ  I, 42$                                    ;
                    67                6E  D0 00268          MOVL    P, EDT$$L_PA_NUMVAL                       ;
               04   A7          04    AE  B0 0026B          MOVW    P+4, EDT$$L_PA_NUMVAL+4                   ;
                    50                6B  D0 00270          MOVL    EDT$$A_PA_CURTOK, R0                      ; 1226
                    2E                60  91 00273          CMPB    (R0), #46                                 ;
                                      97  12 00276          BNEQ    36$                                       ;
                    52                04  D0 00278          MOVL    #4, MULTIPLIER                            ; 1229
                    50 00000000G      00  D0 0027B  44$:    MOVL    EDT$$C_PA_CH, R0                          ; 1234
               F0   8F 00000000G0040      91 00282          CMPB    EDT$$B_CHAR_INFO[R0], #240                ;
                                      03  13 0028B          BEQL    45$                                       ;
                                    050F  31 0028D          BRW     141$                                      ;
               10   AE          D0    A0  9E 00290  45$:    MOVAB   -48(R0), DIGIT                            ; 1241
                                14    AE  D4 00295          CLRL    DIGIT+4                                   ;
                                      52  D5 00298          TSTL    MULTIPLIER                                ; 1243
                                      46  19 0029A          BLSS    48$                                       ;
       50           52                06  C5 0029C          MULL3   #6, MULTIPLIER, R0                        ; 1246
               08   AE          10    AE  D0 002A0          MOVL    DIGIT, M2                                 ;
               0C   AE          14    AE  3C 002A5          MOVZWL  DIGIT+4, M2+4                             ;
                                      6E  7C 002AA          CLRQ    P                                         ;
                    51                10  D0 002AC          MOVL    #16, I                                    ;
       6E           6E                01  79 002AF  46$:    ASHQ    #1, P, P                                  ;
       09 00000000G0040               51  E1 002B3          BBC     I, EDT$$L_LNOO[R0], 47$                   ;
                    6E          08    AE  C0 002BC          ADDL2   M2, P                                     ;
               04   AE          0C    AE  D8 002C0          ADWC    M2, P                                     ;
                    E7                51  F4 002C5  47$:    SOBGEQ  I, 46$                                    ;
               10   AE                6E  D0 002C8          MOVL    P, DIGIT                                  ;
               14   AE          04    AE  B0 002CC          MOVW    P+4, DIGIT+4                              ;
                    50          06    A7  B0 002D1          MOVW    UPPER_WORD, SAVE                          ; 1247
                    67          10    AE  C0 002D5          ADDL2   DIGIT, EDT$$L_PA_NUMVAL                   ;
               04   A7          14    AE  D8 002D9          ADWC    DIGIT, EDT$$L_PA_NUMVAL+4                 ;
               06   A7                50  B0 002DE          MOVW    SAVE, UPPER_WORD                          ;
          00000000G 00                00  FB 002E2  48$:    CALLS   #0, EDT$$PA_GETCH                         ; 1250
                                      52  D7 002E9          DECL    MULTIPLIER                                ; 1251
                                      8E  11 002EB          BRB     44$                                       ; 1234
                    7E                02  7D 002ED  49$:    MOVQ    #2, -(SP)                                 ; 1262
          00000000G 00                02  FB 002F0          CALLS   #2, EDT$$PA_NEW_NOD                       ;
          00000000G 00                50  D0 002F7          MOVL    R0, EDT$$Z_PA_THRURNG                     ;
                                      03  12 002FE          BNEQ    50$                                       ;
                                    0510  31 00300          BRW     156$                                      ;
                    50 00000000G      00  D0 00303  50$:    MOVL    EDT$$Z_PA_THRURNG, R0                     ; 1264
               04   A0                6A  D0 0030A  51$:    MOVL    EDT$$Z_PA_CURRNG, 4(R0)                   ;
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                                            5D  11 0030E          BRB     61$                                         ; 1066
                      50 00000000G          00  D0 00310 52$:     MOVL    EDT$$Z_PA_THRURNG, R0                       ; 1269
                   01 A0                    11  90 00317          MOVB    #17, 1(R0)                                  ;
                   08 A0                    6A  D0 0031B          MOVL    EDT$$Z_PA_CURRNG, 8(R0)                     ; 1270
                      6A                    50  D0 0031F 53$:     MOVL    R0, EDT$$Z_PA_CURRNG                        ; 1271
                                            49  11 00322          BRB     61$                                         ; 1066
              00000000G  00                 6A  D0 00324 54$:     MOVL    EDT$$Z_PA_CURRNG, EDT$$Z_PA_ANDLSTHD        ; 1275
                                            40  11 0032B          BRB     61$                                         ;
                      52 00000000G          00  D0 0032D 55$:     MOVL    EDT$$Z_PA_ANDLSTHD, R2                      ; 1283
                      50                    52  D0 00334          MOVL    R2, RANGE                                   ;
                                  10        A0  D5 00337 56$:     TSTL    16(RANGE)                                   ; 1288
                                            06  13 0033A          BEQL    57$                                         ;
                      50          10        A0  D0 0033C          MOVL    16(RANGE), RANGE                            ; 1289
                                            F5  11 00340          BRB     56$                                         ;
                      51                    6A  D0 00342 57$:     MOVL    EDT$$Z_PA_CURRNG, R1                        ; 1291
                   10 A0                    51  D0 00345          MOVL    R1, 16(RANGE)                               ;
                   14 A1                    50  D0 00349          MOVL    RANGE, 20(R1)                               ; 1292
                      6A                    52  D0 0034D          MOVL    R2, EDT$$Z_PA_CURRNG                        ; 1293
                                            1B  11 00350          BRB     61$                                         ; 1066
                      01          08        AC  D1 00352 58$:     CMPL    OPERAND, #1                                 ; 1299
                                            07  12 00356          BNEQ    59$                                         ;
                      50                    68  D0 00358          MOVL    EDT$$G_PA_CURCMD, R0                        ;
                   01 A0                    13  90 0035B          MOVB    #19, 1(R0)                                  ;
                      07 00000000G          00  E8 0035F 59$:     BLBS    EDT$$G_PA_NOQUO, 61$                        ; 1305
              00000000G  00                 00  FB 00366 60$:     CALLS   #0, EDT$$INTER_ERR                          ;
                                          049F  31 0036D 61$:     BRW     155$                                        ; 1066
                      07 00000000G          00  E8 00370 62$:     BLBS    EDT$$G_PA_NOQUO, 63$                        ; 1326
              00000000G  00                 00  FB 00377          CALLS   #0, EDT$$INTER_ERR                          ;
                         00000000G          00  D4 0037E 63$:     CLRL    EDT$$G_PA_NOQUO                             ; 1327
                      7E                    03  7D 00384          MOVQ    #3, -(SP)                                   ; 1329
              00000000G  00                 02  FB 00387          CALLS   #2, EDT$$PA_NEW_NOD                         ;
                      52                    50  D0 0038E          MOVL    R0, STRNODE                                 ;
                                            59  13 00391          BEQL    67$                                         ;
                      50                    68  D0 00393          MOVL    EDT$$G_PA_CURCMD, R0                        ; 1331
                   08 A0                    52  D0 00396          MOVL    STRNODE, 8(R0)                              ;
                      02 00000000G          00  D1 0039A          CMPL    EDT$$G_PA_TOKCLASS, #2                      ; 1333
                                            09  13 003A1          BEQL    64$                                         ;
                      69 00000000G          8F  D0 003A3          MOVL    #EDT$_NONALPNUM, EDT$$G_PA_ERRNO            ; 1336
                                            40  11 003AA          BRB     67$                                         ; 1337
                      51                    6B  D0 003AC 64$:     MOVL    EDT$$A_PA_CURTOK, R1                        ; 1340
                      53                    61  9A 003AF          MOVZBL  (R1), QUOTE                                 ;
                      50          01        A1  9E 003B2          MOVAB   1(R1), CURSOR                               ; 1341
                   04 A2                    50  D0 003B6          MOVL    CURSOR, 4(STRNODE)                          ; 1342
     53            60 08                    00  ED 003BA 65$:     CMPZV   #0, #8, (CURSOR), QUOTE                     ; 1344
                                            0D  13 003BF          BEQL    66$                                         ;
              00000000G  00                 50  D1 003C1          CMPL    CURSOR, EDT$$A_CMD_END                      ;
                                            04  1E 003C8          BGEQU   66$                                         ;
                                            50  D6 003CA          INCL    CURSOR                                      ; 1345
                                            EC  11 003CC          BRB     65$                                         ;
               51         50                51  C3 003CE 66$:     SUBL3   R1, CURSOR, R1                              ; 1347
                   08 A2          FF        A1  9E 003D2          MOVAB   -1(R1), 8(STRNODE)                          ;
                                            50  D6 003D7          INCL    CURSOR                                      ; 1348
                      51 00000000G          00  D0 003D9          MOVL    EDT$$A_CMD_END, R1                          ; 1350
                      51                    50  D1 003E0          CMPL    CURSOR, R1                                  ;
                                            09  1B 003E3          BLEQU   68$                                         ;
                      69 00000000G          8F  D0 003E5          MOVL    #EDT$_INVSTR, EDT$$G_PA_ERRNO               ; 1353
                                            41  11 003EC 67$:     BRB     71$                                         ; 1354
                         0C   A2           50  D0 003EE 68$:   MOVL    CURSOR, 12(STRNODE)                                   ; 1357
     53             60        08           00  ED 003F2 69$:   CMPZV   #0, #8, (CURSOR), QUOTE                               ; 1359
                                           09  13 003F7        BEQL    70$                                                   ;
                              51           50  D1 003F9        CMPL    CURSOR, R1                                            ;
                                           04  1E 003FC        BGEQU   70$                                                   ;
                                           50  D6 003FE        INCL    CURSOR                                                ; 1360
                                           F0  11 00400        BRB     69$                                                   ;
               10   A2        50       0C  A2  C3 00402 70$:   SUBL3   12(STRNODE), CURSOR, 16(STRNODE)                      ; 1362
                    00000000G 00       01  A0  9E 00408        MOVAB   1(R0), EDT$$A_CMD_BUF                                 ; 1363
                    00000000G 00           00  FB 00410        CALLS   #0, EDT$$PA_GETCH                                     ; 1364
                    00000000G 00           00  FB 00417        CALLS   #0, EDT$$PA_SCANTOK                                   ; 1365
                                       10  A2  D5 0041E        TSTL    16(STRNODE)                                           ; 1367
                                           23  12 00421        BNEQ    74$                                                   ;
                                       08  A2  D5 00423        TSTL    8(STRNODE)                                            ;
                                           1E  12 00426        BNEQ    74$                                                   ;
                         69 00000000G      8F  D0 00428        MOVL    #EDT$_SUBSTRNUL, EDT$$G_PA_ERRNO                      ; 1370
                                         03E1  31 0042F 71$:   BRW     156$                                                  ; 1371
                         07 00000000G      00  E8 00432 72$:   BLBS    EDT$$G_PA_NOQUO, 73$                                  ; 1378
                    00000000G 00           00  FB 00439        CALLS   #0, EDT$$INTER_ERR                                    ;
                            00000000G      00  D4 00440 73$:   CLRL    EDT$$G_PA_NOQUO                                       ; 1379
                                         03C6  31 00446 74$:   BRW     155$                                                  ; 1066
                              50           68  D0 00449 75$:   MOVL    EDT$$G_PA_CURCMD, R0                                  ; 1391
                              51           6B  D0 0044C        MOVL    EDT$$A_PA_CURTOK, R1                                  ;
                         08   A0           51  D0 0044F        MOVL    R1, 8(R0)                                             ;
                    00000000G 00           51  D0 00453        MOVL    R1, EDT$$A_CMD_BUF                                    ; 1392
                                           53  D4 0045A        CLRL    SCAN_DONE                                             ; 1393
                                           52  D4 0045C 76$:   CLRL    QUOTE_CHAR                                            ; 1394
                              46           53  E8 0045E 77$:   BLBS    SCAN_DONE, 82$                                        ; 1396
                    00000000G 00 00000000G 00  D1 00461        CMPL    EDT$$A_CMD_BUF, EDT$$A_CMD_END                        ; 1398
                                           1E  1A 0046C        BGTRU   78$                                                   ;
                              54 00000000G 00  D0 0046E        MOVL    EDT$$A_CMD_BUF, R4                                    ; 1403
                              51           64  9A 00475        MOVZBL  (R4), CHAR                                            ;
                                00000000G  00  D6 00478        INCL    EDT$$A_CMD_BUF                                        ;
                                           52  D5 0047E        TSTL    QUOTE_CHAR                                            ; 1405
                                           1E  12 00480        BNEQ    81$                                                   ;
                              20           51  D1 00482        CMPL    CHAR, #32                                             ; 1411
                                           05  13 00485        BEQL    78$                                                   ;
                              2F           51  D1 00487        CMPL    CHAR, #47                                             ;
                                           05  12 0048A        BNEQ    79$                                                   ;
                              53           01  D0 0048C 78$:   MOVL    #1, SCAN_DONE                                         ; 1412
                                           CD  11 0048F        BRB     77$                                                   ;
                              22           51  D1 00491 79$:   CMPL    CHAR, #34                                             ; 1414
                                           05  13 00494        BEQL    80$                                                   ;
                              27           51  D1 00496        CMPL    CHAR, #39                                             ;
                                           C3  12 00499        BNEQ    77$                                                   ;
                              52           51  D0 0049B 80$:   MOVL    CHAR, QUOTE_CHAR                                      ; 1415
                                           BE  11 0049E        BRB     77$                                                   ;
                              52           51  D1 004A0 81$:   CMPL    CHAR, QUOTE_CHAR                                      ; 1425
                                           B9  12 004A3        BNEQ    77$                                                   ;
                                           B5  11 004A5        BRB     76$                                                   ;
                    00000000G 00           51  D0 004A7 82$:   MOVL    CHAR, EDT$$C_PA_CH                                    ; 1429
                                           2C  11 004AE        BRB     86$                                                   ; 1430
                              50           68  D0 004B0 83$:   MOVL    EDT$$G_PA_CURCMD, R0                                  ; 1436
                              51           6B  D0 004B3        MOVL    EDT$$A_PA_CURTOK, R1                                  ;
                         08   A0           51  D0 004B6        MOVL    R1, 8(R0)                                             ;
                    00000000G 00           51  D0 004BA        MOVL    R1, EDT$$A_CMD_BUF                                    ; 1437
                    00000000G 00           00  FB 004C1 84$:   CALLS   #0, EDT$$PA_GETCH                                     ; 1438
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                                                                  N  6
EDT$PRSEMRTN      EDT$PRSEMRTN - parser semantic actions          16-Sep-1984 01:23:05    VAX-11 Bliss-32 V4.0-742                  Page  26
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                   50 00000000G   00  D0 004C8         MOVL    EDT$$C_PA_CH, R0                           ; 1440
                   21             50  D1 004CF         CMPL    R0, #33                                    ;
                                  05  13 004D2         BEQL    85$                                        ;
                   3B             50  D1 004D4         CMPL    R0, #59                                    ;
                                  E8  12 004D7         BNEQ    84$                                        ;
                   50             68  D0 004D9 85$:    MOVL    EDT$$G_PA_CURCMD, R0                       ; 1443
     51 00000000G  00        08   A0  C3 004DC 86$:    SUBL3   8(R0), EDT$$A_CMD_BUF, R1                  ;
              0C   A0        FF   A1  9E 004E5         MOVAB   -1(R1), 12(R0)                             ;
                                02B2  31 004EA         BRW     141$                                       ; 1444
                      00000000G   00  D5 004ED 87$:    TSTL    EDT$$G_PA_TOKCLASS                         ; 1449
                                  77  12 004F3         BNEQ    96$                                        ;
                   70 00000000G   00  E8 004F5         BLBS    EDT$$G_PA_PCENT, 96$                       ;
                   69 00000000G   8F  D0 004FC         MOVL    #EDT$_UNRCOM, EDT$$G_PA_ERRNO              ; 1452
                                030D  31 00503 88$:    BRW     156$                                       ; 1453
                   50             68  D0 00506 89$:    MOVL    EDT$$G_PA_CURCMD, R0                       ; 1462
                             14   A0  D5 00509         TSTL    20(R0)                                     ;
                                  17  12 0050C         BNEQ    90$                                        ;
                   7E             04  7D 0050E         MOVQ    #4, -(SP)                                  ; 1466
        00000000G  00             02  FB 00511         CALLS   #2, EDT$$PA_NEW_NOD                        ;
                                  50  D5 00518         TSTL    SWITCH_NODE                                ;
                                  E7  13 0051A         BEQL    88$                                        ;
                   51             68  D0 0051C         MOVL    EDT$$G_PA_CURCMD, R1                       ; 1468
              14   A1             50  D0 0051F         MOVL    SWITCH_NODE, 20(R1)                        ;
                                  04  11 00523         BRB     91$                                        ; 1462
                   50        14   A0  D0 00525 90$:    MOVL    20(R0), SWITCH_NODE                        ; 1471
     51            01        08   AC  78 00529 91$:    ASHL    OPERAND, #1, R1                            ; 1473
                   51        04   A0  D3 0052E         BITL    4(SWITCH_NODE), R1                         ;
                                  CF  12 00532         BNEQ    88$                                        ;
              04   A0             51  C8 00534         BISL2   R1, 4(SWITCH_NODE)                         ; 1475
                                  76  11 00538         BRB     100$                                       ; 1066
                   50             68  D0 0053A 92$:    MOVL    EDT$$G_PA_CURCMD, R0                       ; 1482
                   56        14   A0  D0 0053D         MOVL    20(R0), R6                                 ;
 08  A6            67             06  28 00541         MOVC3   #6, EDT$$L_PA_NUMVAL, 8(R6)                ; 1484
              01   A6             01  90 00546         MOVB    #1, 1(R6)                                  ; 1485
                                  64  11 0054A         BRB     100$                                       ; 1066
                   50             68  D0 0054C 93$:    MOVL    EDT$$G_PA_CURCMD, R0                       ; 1492
                   50        14   A0  D0 0054F         MOVL    20(R0), R0                                 ;
 14  A0            67             06  28 00553         MOVC3   #6, EDT$$L_PA_NUMVAL, 20(R0)               ; 1494
                                  56  11 00558         BRB     100$                                       ; 1066
                   50             68  D0 0055A 94$:    MOVL    EDT$$G_PA_CURCMD, R0                       ; 1498
              04   A0        08   AC  D0 0055D         MOVL    OPERAND, 4(R0)                             ;
                                  4C  11 00562         BRB     100$                                       ;
                   50             68  D0 00564 95$:    MOVL    EDT$$G_PA_CURCMD, R0                       ; 1501
              10   A0        08   AC  D0 00567         MOVL    OPERAND, 16(R0)                            ;
                                0080  31 0056C 96$:    BRW     107$                                       ;
                   51             67  3C 0056F 97$:    MOVZWL  EDT$$L_PA_NUMVAL, R1                       ; 1506
             7FFF  8F             51  B1 00572         CMPW    R1, #32767                                 ;
                                  56  1A 00577         BGTRU   103$                                       ;
                             02   A7  B5 00579         TSTW    EDT$$L_PA_NUMVAL+2                         ; 1507
                                  51  12 0057C         BNEQ    103$                                       ;
                             04   A7  B5 0057E         TSTW    EDT$$L_PA_NUMVAL+4                         ; 1508
                                  4C  12 00581         BNEQ    103$                                       ;
                   50             68  D0 00583         MOVL    EDT$$G_PA_CURCMD, R0                       ; 1515
              10   A0             51  D0 00586         MOVL    R1, 16(R0)                                 ;
                                  6D  11 0058A         BRB     109$                                       ; 1066
                   51             67  3C 0058C 98$:    MOVZWL  EDT$$L_PA_NUMVAL, R1                       ; 1521
             7FFF  8F             51  B1 0058F         CMPW    R1, #32767                                 ;
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                                        39   1A 00594          BGTRU   103$                                             ;
                              02        A7   B5 00596          TSTW    EDT$$L_PA_NUMVAL+2                               ; 1522
                                        34   12 00599          BNEQ    103$                                             ;
                              04        A7   B5 0059B          TSTW    EDT$$L_PA_NUMVAL+4                               ; 1523
                                        2F   12 0059E          BNEQ    103$                                             ;
                   50                   68   D0 005A0          MOVL    EDT$$G_PA_CURCMD, R0                             ; 1530
          0C       A0                   51   D0 005A3          MOVL    R1, 12(R0)                                       ;
                                        50   11 005A7          BRB     109$                                             ; 1066
   00000000G       00                   01   D0 005A9 99$:     MOVL    #1, EDT$$G_DEFKEY                                ; 1535
                                        47   11 005B0 100$:    BRB     109$                                             ; 1066
                   50                   68   D0 005B2 101$:    MOVL    EDT$$G_PA_CURCMD, R0                             ; 1540
                   51                   67   3C 005B5          MOVZWL  EDT$$L_PA_NUMVAL, R1                             ;
          10       A0           012C    C1   9E 005B8          MOVAB   300(R1), T6(R0)                                  ;
        7FFF       8F                   51   B1 005BE 102$:    CMPW    R1, #32767                                       ; 1542
                                        0A   1A 005C3          BGTRU   103$                                             ;
                              02        A7   B5 005C5          TSTW    EDT$$L_PA_NUMVAL+2                               ; 1543
                                        05   12 005C8          BNEQ    103$                                             ;
                              04        A7   B5 005CA          TSTW    EDT$$L_PA_NUMVAL+4                               ; 1544
                                        11   13 005CD          BEQL    105$                                             ;
                                      01B3   31 005CF 103$:    BRW     137$                                             ; 1547
                   50                   68   D0 005D2 104$:    MOVL    EDT$$G_PA_CURCMD, R0                             ; 1562
                   51                   67   3C 005D5          MOVZWL  EDT$$L_PA_NUMVAL, R1                             ;
          10       A0           0320    C1   9E 005D8          MOVAB   800(R1), T6(R0)                                  ;
                                        DE   11 005DE          BRB     102$                                             ; 1564
          15                            51   B1 005E0 105$:    CMPW    R1, #21                                          ; 1573
                                      0107   31 005E3          BRW     127$                                             ;
                   50                   68   D0 005E6 106$:    MOVL    EDT$$G_PA_CURCMD, R0                             ; 1584
          10       A0           0273    8F   3C 005E9          MOVZWL  #627, T6(R0)                                     ;
                                        08   11 005EF 107$:    BRB     109$                                             ; 1066
                   50                   68   D0 005F1 108$:    MOVL    EDT$$G_PA_CURCMD, R0                             ; 1589
          10       A0             7F    8F   9A 005F4          MOVZBL  #127, T6(R0)                                     ;
                                      0213   31 005F9 109$:    BRW     155$                                             ; 1066
                   50                   6B   D0 005FC 110$:    MOVL    EDT$$A_PA_CURTOK, R0                             ; 1604
                   51                   60   9A 005FF          MOVZBL  (R0), CHAR                                       ;
                   50                   68   D0 00602          MOVL    EDT$$G_PA_CURCMD, R0                             ; 1605
          10       A0           01F4    C1   9E 00605          MOVAB   500(R1), T6(R0)                                  ;
                   01 00000000G         00   D1 0060B          CMPL    EDT$$G_PA_CURTOKLEN, #1                          ; 1607
                                        51   12 00612          BNEQ    115$                                             ;
          F0       8F 00000000G0041     91 00614               CMPB    EDT$$B_CHAR_INFO[CHAR], #240                     ; 1611
                                        27   13 0061D          BEQL    112$                                             ;
          20                            51   D1 0061F          CMPL    CHAR, #32                                        ; 1616
                                        7B   19 00622          BLSS    118$                                             ;
    000000FF       8F                   51   D1 00624          CMPL    CHAR, #255                                       ; 1617
                                        7B   14 0062B          BGTR    119$                                             ;
    00000080       8F                   51   D1 0062D          CMPL    CHAR, #128                                       ; 1618
                                        09   19 00634          BLSS    111$                                             ;
    000000A0       8F                   51   D1 00636          CMPL    CHAR, #160                                       ;
                                        79   19 0063D          BLSS    121$                                             ;
    0000007F       8F                   51   D1 0063F 111$:    CMPL    CHAR, #127                                       ; 1619
                                        70   13 00646 112$:    BEQL    121$                                             ;
                                      0154   31 00648 113$:    BRW     141$                                             ;
                   50                   6B   D0 0064B 114$:    MOVL    EDT$$A_PA_CURTOK, R0                             ; 1635
                   51                   60   9A 0064E          MOVZBL  (R0), CHAR                                       ;
                   51             C0    A1   9E 00651          MOVAB   -64(R1), CHAR                                    ;
                   50                   68   D0 00655          MOVL    EDT$$G_PA_CURCMD, R0                             ; 1636
          10       A0           01F4    C1   9E 00658          MOVAB   500(R1), T6(R0)                                  ;
                   01 00000000G         00   D1 0065E          CMPL    EDT$$G_PA_CURTOKLEN, #1                          ; 1638
```

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                               51  12 00665 115$:   BNEQ    121$                                              ; 
                               51  D5 00667         TSTL    CHAR                                              ; 1639
                               4D  19 00669         BLSS    121$                                              ; 
        000000FF   8F          51  D1 0066B         CMPL    CHAR, #255                                        ; 1640
                               7B  14 00672         BGTR    128$                                              ; 
              20               51  D1 00674         CMPL    CHAR, #32                                         ; 1641
                               36  19 00677         BLSS    120$                                              ; 
        00000080   8F          51  D1 00679 116$:   CMPL    CHAR, #128                                        ; 
                               6D  19 00680         BLSS    128$                                              ; 
                               2B  11 00682         BRB     120$                                              ; 1642
              50               6B  D0 00684 117$:   MOVL    EDT$$A_PA_CURTOK, R0                              ; 1658
              51               60  9A 00687         MOVZBL  (R0), CHAR                                        ; 
              51               38  C2 0068A         SUBL2   #56, CHAR                                         ; 
              50               68  D0 0068D         MOVL    EDT$$G_PA_CURCMD, R0                              ; 1659
      10      A0               71  7E 00690         MOVAQ   -(CHAR), T6(R0)                                   ; 
              01 00000000G     00  D1 00694         CMPL    EDT$$G_PA_CURTOKLEN, #1                           ; 1661
                               52  12 0069B         BNEQ    128$                                              ; 
                               51  D5 0069D         TSTL    CHAR                                              ; 1662
                               4E  19 0069F 118$:   BLSS    128$                                              ; 
        000000FF   8F          51  D1 006A1         CMPL    CHAR, #255                                        ; 1663
                               45  14 006A8 119$:   BGTR    128$                                              ; 
              20               51  D1 006AA         CMPL    CHAR, #32                                         ; 1664
                               CA  18 006AD         BGEQ    116$                                              ; 
        000000A0   8F          51  D1 006AF 120$:   CMPL    CHAR, #160                                        ; 1665
                               90  19 006B6         BLSS    113$                                              ; 
                               35  11 006B8 121$:   BRB     128$                                              ; 1668
              50               68  D0 006BA 122$:   MOVL    EDT$$G_PA_CURCMD, R0                              ; 1677
              51               67  3C 006BD         MOVZWL  EDT$$L_PA_NUMVAL, R1                              ; 
      10      A0         0190  C1  9E 006C0         MOVAB   400(R1), T6(R0)                                   ; 
    7FFF      8F               51  B1 006C6 123$:   CMPW    R1, #32767                                        ; 1679
                               0A  1A 006CB         BGTRU   124$                                              ; 
                         02    A7  B5 006CD         TSTW    EDT$$L_PA_NUMVAL+2                                ; 1680
                               05  12 006D0         BNEQ    124$                                              ; 
                         04    A7  B5 006D2         TSTW    EDT$$L_PA_NUMVAL+4                                ; 1681
                               11  13 006D5         BEQL    126$                                              ; 
                             00AB  31 006D7 124$:   BRW     137$                                              ; 1684
              50               68  D0 006DA 125$:   MOVL    EDT$$G_PA_CURCMD, R0                              ; 1699
              51               67  3C 006DD         MOVZWL  EDT$$L_PA_NUMVAL, R1                              ; 
      10      A0         0384  C1  9E 006E0         MOVAB   900(R1), T6(R0)                                   ; 
                               DE  11 006E6         BRB     123$                                              ; 1701
    0063      8F               51  B1 006E8 126$:   CMPW    R1, #99                                           ; 1710
                               49  1B 006ED 127$:   BLEQU   132$                                              ; 
              69 00000000G     8F  D0 006EF 128$:   MOVL    #EDT$_KEYNOTDEF, EDT$$G_PA_ERRNO                  ; 1713
                               66  11 006F6         BRB     135$                                              ; 1714
              50               68  D0 006F8 129$:   MOVL    EDT$$G_PA_CURCMD, R0                              ; 1721
  08      A0 00000000G         00  01  C1 006FB     ADDL3   #1, EDT$$A_PA_PRVTOK, 8(R0)                       ; 
      0C      A0 00000000G     00  D0 00704         MOVL    EDT$$G_PA_PRVTOKLEN, 12(R0)                       ; 1722
                               2A  11 0070C         BRB     132$                                              ; 1066
              50               68  D0 0070E 130$:   MOVL    EDT$$G_PA_CURCMD, R0                              ; 1729
              56         14    A0  D0 00711         MOVL    20(R0), R6                                        ; 
  08      A6 00000000G     00  06  28 00715         MOVC3   #6, EDT$$L_LNO0+30, 8(R6)                         ; 1731
  14      A6 00000000G     00  06  28 0071E         MOVC3   #6, EDT$$L_LNO0+30, 20(R6)                        ; 1732
                         01    A6  94 00727         CLRB    1(R6)                                             ; 1733
                             0082  31 0072A         BRW     143$                                              ; 1066
              50               68  D0 0072D 131$:   MOVL    EDT$$G_PA_CURCMD, R0                              ; 1738
      04      A0               6A  D0 00730         MOVL    EDT$$Z_PA_CURRNG, 4(R0)                           ; 
      01      A0               18  90 00734         MOVB    #24, 1(R0)                                        ; 1739
```

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                               0086  31 00738 132$:   BRW     146$                                          ; 1066
                                 52  D4 0073B 133$:   CLRL    NEG                                           ; 1748
                  50             6B  D0 0073D         MOVL    EDT$$A_PA_CURTOK, R0                          ; 1750
                  2D             60  91 00740         CMPB    (R0), #45                                     ;
                                 09  12 00743         BNEQ    134$                                          ;
                                 52  D6 00745         INCL    NEG                                           ; 1753
         00000000G  00           00  FB 00747         CALLS   #0, EDT$$PA_SCANTOK                           ; 1754
                  01 00000000G   00  D1 0074E 134$:   CMPL    EDT$$G_PA_TOKCLASS, #1                        ; 1757
                                 09  13 00755         BEQL    136$                                          ;
                  69 00000000G   8F  D0 00757         MOVL    #EDT$_NUMVALREQ, EDT$$G_PA_ERRNO              ; 1760
                                 2C  11 0075E 135$:   BRB     138$                                          ; 1761
                  51             67  3C 00760 136$:   MOVZWL  EDT$$L_PA_NUMVAL, R1                          ; 1764
            7FFF  8F             51  B1 00763         CMPW    R1, #32767                                    ;
                                 1B  1A 00768         BGTRU   137$                                          ;
                            02   A7  B5 0076A         TSTW    EDT$$L_PA_NUMVAL+2                            ; 1765
                                 16  12 0076D         BNEQ    137$                                          ;
                            04   A7  B5 0076F         TSTW    EDT$$L_PA_NUMVAL+4                            ; 1766
                                 11  12 00772         BNEQ    137$                                          ;
     50           51 00000000G   00  C5 00774         MULL3   EDT$$G_TAB_SIZ, R1, R0                        ; 1773
         000000FF  8F            50  D1 0077C         CMPL    R0, #255                                      ;
                                 0A  15 00783         BLEQ    139$                                          ;
                  69 00000000G   8F  D0 00785 137$:   MOVL    #EDT$_NUMVALILL, EDT$$G_PA_ERRNO              ; 1776
                               0084  31 0078C 138$:   BRW     156$                                          ; 1777
                  50             68  D0 0078F 139$:   MOVL    EDT$$G_PA_CURCMD, R0                          ; 1782
                  06             52  E9 00792         BLBC    NEG, 140$                                     ; 1780
             08   A0             51  CE 00795         MNEGL   R1, 8(R0)                                     ; 1782
                                 04  11 00799         BRB     141$                                          ;
             08   A0             51  D0 0079B 140$:   MOVL    R1, 8(R0)                                     ; 1784
         00000000G  00           00  FB 0079F 141$:   CALLS   #0, EDT$$PA_SCANTOK                           ; 1786
                                 67  11 007A6         BRB     155$                                          ; 1066
                  69 00000000G   8F  D0 007A8 142$:   MOVL    #EDT$_INVPARFOR, EDT$$G_PA_ERRNO              ; 1790
                                 5E  11 007AF 143$:   BRB     155$                                          ;
                  69 00000000G   8F  D0 007B1 144$:   MOVL    #EDT$_INVVALSET, EDT$$G_PA_ERRNO              ; 1793
                                 55  11 007B8         BRB     155$                                          ;
                  69 00000000G   8F  D0 007BA 145$:   MOVL    #EDT$_NUMVALREQ, EDT$$G_PA_ERRNO              ; 1796
                                 4C  11 007C1 146$:   BRB     155$                                          ;
                  69 00000000G   8F  D0 007C3 147$:   MOVL    #EDT$_QUOSTRREQ, EDT$$G_PA_ERRNO              ; 1799
                                 43  11 007CA         BRB     155$                                          ;
                  69 00000000G   8F  D0 007CC 148$:   MOVL    #EDT$_ERRRANSPC, EDT$$G_PA_ERRNO              ; 1802
                                 3A  11 007D3         BRB     155$                                          ;
                  69 00000000G   8F  D0 007D5 149$:   MOVL    #EDT$_ERRCOMOPT, EDT$$G_PA_ERRNO              ; 1805
                                 31  11 007DC         BRB     155$                                          ;
                  69 00000000G   8F  D0 007DE 150$:   MOVL    #EDT$_UNRCOMOPT, EDT$$G_PA_ERRNO              ; 1808
                                 28  11 007E5         BRB     155$                                          ;
                  69 00000000G   8F  D0 007E7 151$:   MOVL    #EDT$_COLONREQ, EDT$$G_PA_ERRNO               ; 1811
                                 1F  11 007EE         BRB     155$                                          ;
                  69 00000000G   8F  D0 007F0 152$:   MOVL    #EDT$_MACKEYREQ, EDT$$G_PA_ERRNO              ; 1814
                                 16  11 007F7         BRB     155$                                          ;
                  69 00000000G   8F  D0 007F9 153$:   MOVL    #EDT$_ENTMUSTBE, EDT$$G_PA_ERRNO              ; 1817
                                 0D  11 00800         BRB     155$                                          ;
                     00000000G   00  D4 00802 154$:   CLRL    EDT$$G_DEFKEY                                 ; 1821
                  69 00000000G   8F  D0 00808         MOVL    #EDT$_ASREQ, EDT$$G_PA_ERRNO                  ; 1822
                  50             01  D0 0080F 155$:   MOVL    #1, R0                                        ; 1832
                                     04 00812         RET                                                   ;
                                 50  D4 00813 156$:   CLRL    R0                                            ; 1833
                                     04 00815         RET                                                   ;
```

```
; Routine Size:  2070 bytes,    Routine Base:  _EDT$CODE + 0000


;  981          1834  1
;  982          1835  1 !<BLF/PAGE>
;  984        1836  1 END                                                ! of module EDT$PRSEMRTN
;  985        1837  1
;  986        1838  0 ELUDOM



;                              PSECT SUMMARY
;
;      Name                      Bytes                     Attributes
;
;  _EDT$CODE                          2070  NOVEC,NOWRT,  RD ,  EXE,  SHR,  LCL,  REL,  CON,  PIC,ALIGN(2)



;                         Library Statistics
;
;                                          -------- Symbols --------        Pages        Processing
;      File                                Total    Loaded   Percent        Mapped       Time
;
;  _$255$DUA28:[EDT.SRC]EDT.L32;1            377        82        21            40        00:00.2
;  _$255$DUA28:[EDT.SRC]PSECTS.L32;1           2         1        50             7        00:00.1
;  _$255$DUA28:[EDT.SRC]KEYPADDEF.L32;1       34         4        11             7        00:00.1
;  _$255$DUA28:[EDT.SRC]SUPPORTS.L32;1         2         1        50             5        00:00.1



;                              COMMAND QUALIFIERS

;      BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS$:PRSEMRTN/OBJ=OBJ$:PRSEMRTN MSRC$:PRSEMRTN.BLI/UPDATE=(ENH$:PRSE
;      MRTN)

; Size:          2070 code + 0 data bytes
; Run Time:         01:33.4
; Elapsed Time:     01:51.7
; Lines/CPU Min:      1180
; Lexemes/CPU-Min:   7943
; Memory Used:  563 pages
; Compilation Complete
```

0138 AH-BT13A-SE
VAX/VMS V4.0

DIGITAL EQUIPMENT CORPORATION
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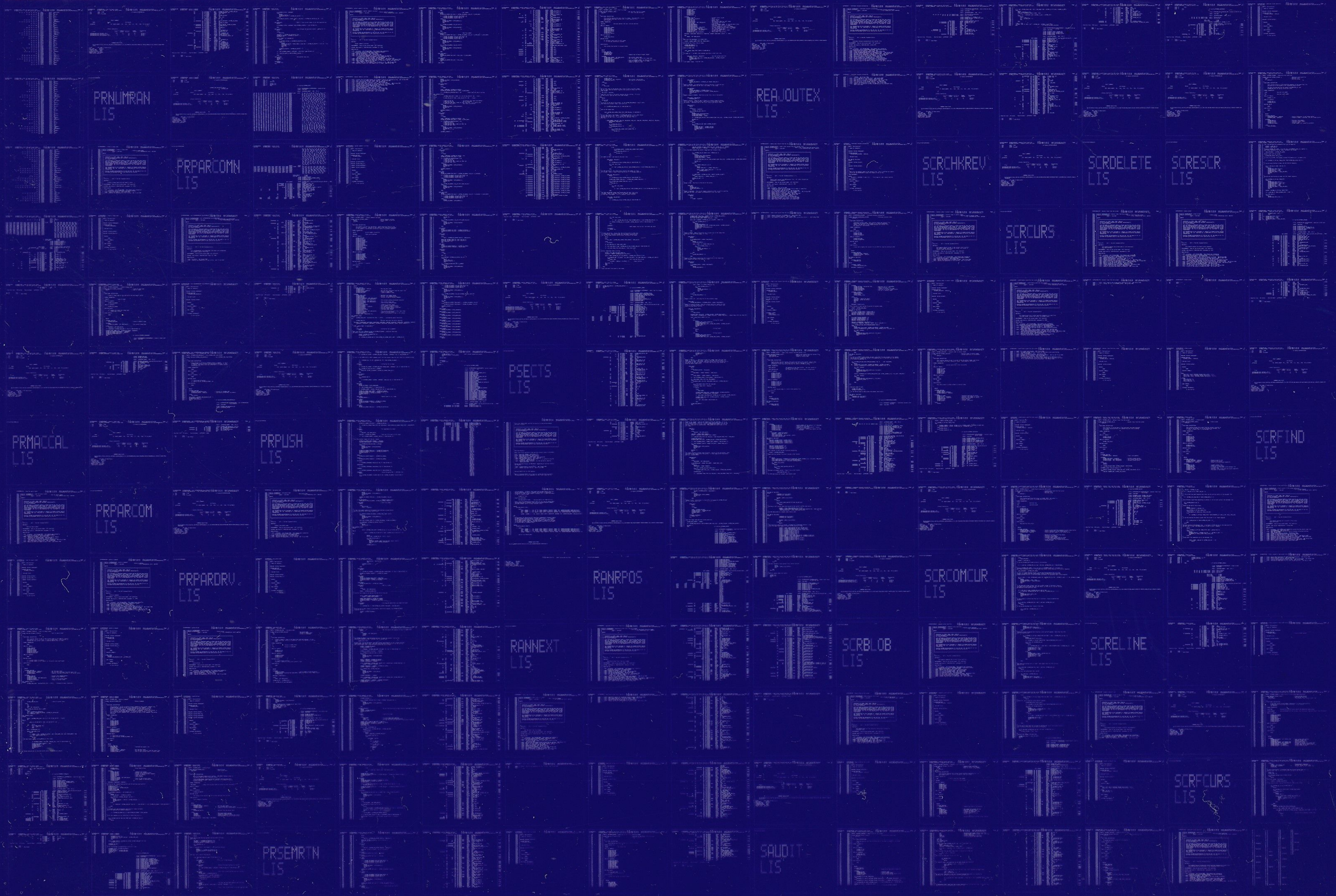

PRNUMRAN
LIS

REAJOUTEX
LIS

PRPARCOMN
LIS

SCRCHKREV
LIS

SCRDELETE
LIS

SCRESCR
LIS

SCRCURS
LIS

PSECTS
LIS

PRMACCAL
LIS

PRPUSH
LIS

SCRFIND
LIS

PRPARCOM
LIS

PRPARDRV
LIS

RANRPOS
LIS

SCRCOMCUR
LIS

RANNEXT
LIS

SCRBLOB
LIS

SCRELINE
LIS

SCRFCURS
LIS

PRSEMRTN
LIS

SAUDIT
LIS