```
EEEEEEEEEEEEEEE  DDDDDDDDDDD     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  DDDDDDDDDDD          TTT
EEEEEEEEEEEEEEE  DDDDDDDDDDDD         TTT
EEEEEEEEEEEEEEE  DDDDDDDDDDDD         TTT
EEEEEEEEEEEEEEE  DDDDDDDDDDDD         TTT
```

```
  CCCCCCCC  HH      HH  MM      MM    000000    NN      NN    SSSSSSSS  TTTTTTTTTT  RRRRRRRR
  CCCCCCCC  HH      HH  MM      MM    000000    NN      NN    SSSSSSSS  TTTTTTTTTT  RRRRRRRR
CC          HH      HH  MMMM  MMMM  OO      OO  NN      NN  SS            TT      RR      RR
CC          HH      HH  MMMM  MMMM  OO      OO  NN      NN  SS            TT      RR      RR
CC          HH      HH  MM  MM  MM  OO      OO  NNNN    NN  SS            TT      RR      RR
CC          HH      HH  MM  MM  MM  OO      OO  NNNN    NN  SS            TT      RR      RR
CC          HHHHHHHHHH  MM      MM  OO      OO  NN  NN  NN    SSSSSS      TT      RRRRRRRR
CC          HHHHHHHHHH  MM      MM  OO      OO  NN  NN  NN    SSSSSS      TT      RRRRRRRR
CC          HH      HH  MM      MM  OO      OO  NN    NNNN          SS    TT      RR  RR
CC          HH      HH  MM      MM  OO      OO  NN    NNNN          SS    TT      RR  RR
CC          HH      HH  MM      MM  OO      OO  NN      NN          SS    TT      RR    RR
CC          HH      HH  MM      MM  OO      OO  NN      NN          SS    TT      RR    RR
  CCCCCCCC  HH      HH  MM      MM    000000    NN      NN  SSSSSSSS      TT      RR      RR
  CCCCCCCC  HH      HH  MM      MM    000000    NN      NN  SSSSSSSS      TT      RR      RR


LL              IIIIII      SSSSSSSS
LL              IIIIII    SSSSSSSS
LL                II      SS
LL                II      SS
LL                II      SS
LL                II      SS
LL                II        SSSSSS
LL                II        SSSSSS
LL                II              SS
LL                II              SS
LL                II              SS
LL                II              SS
LLLLLLLLLL      IIIIII    SSSSSSSS
LLLLLLLLLL      IIIIII    SSSSSSSS
```

```
;  1          0001  0 %TITLE 'EDT$CHMONSTR - test for being on a given string'
;  2          0002  0 MODULE EDT$CHMONSTR (                           ! Test for being on a given string
;  3          0003  0                     IDENT = 'V04-000'                       ! File: CHMONSTR.BLI Edit: JBS1007
;  4          0004  0                     ) =
;  5          0005  1 BEGIN
;  6          0006  1 !
;  7          0007  1 !**********************************************************************************
;  8          0008  1 !*                                                                                *
;  9          0009  1 !*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                                       *
; 10          0010  1 !*  DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.                         *
; 11          0011  1 !*  ALL RIGHTS RESERVED.                                                           *
; 12          0012  1 !*                                                                                *
; 13          0013  1 !*  THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED        *
; 14          0014  1 !*  ONLY IN  ACCORDANCE WITH  THE  TERMS  OF  SUCH  LICENSE  AND WITH THE       *
; 15          0015  1 !*  INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR  ANY  OTHER       *
; 16          0016  1 !*  COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY       *
; 17          0017  1 !*  OTHER PERSON.  NO TITLE TO AND OWNERSHIP OF  THE  SOFTWARE IS  HEREBY       *
; 18          0018  1 !*  TRANSFERRED.                                                                  *
; 19          0019  1 !*                                                                                *
; 20          0020  1 !*  THE INFORMATION IN THIS SOFTWARE IS  SUBJECT TO CHANGE WITHOUT NOTICE       *
; 21          0021  1 !*  AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT       *
; 22          0022  1 !*  CORPORATION.                                                                  *
; 23          0023  1 !*                                                                                *
; 24          0024  1 !*  DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE  OR  RELIABILITY OF ITS       *
; 25          0025  1 !*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.                       *
; 26          0026  1 !*                                                                                *
; 27          0027  1 !*                                                                                *
; 28          0028  1 !**********************************************************************************
; 29          0029  1 !
; 30          0030  1
; 31          0031  1 !++
; 32          0032  1 ! FACILITY:     EDT -- The DEC Standard Editor
; 33          0033  1 !
; 34          0034  1 ! ABSTRACT:
; 35          0035  1 !
; 36          0036  1 !       This module determines if the current position matches
; 37          0037  1 !       a given string.
; 38          0038  1 !
; 39          0039  1 ! ENVIRONMENT:  Runs at any access mode - AST reentrant
; 40          0040  1 !
; 41          0041  1 ! AUTHOR: Bob Kushlis, CREATION DATE: Unknown
; 42          0042  1 !
; 43          0043  1 ! MODIFIED BY:
; 44          0044  1 !
; 45          0045  1 ! 1-001 - Original.  DJS 04-Feb-1981.  This module was created by
; 46          0046  1 !       extracting the routine EDT$$TST_ONSTR  from module CHANGE.BLI.
; 47          0047  1 ! 1-002 - Regularize headers.  JBS 03-Mar-1981
; 48          0048  1 ! 1-003 - Add WPS string matching.  STS 05-Oct-1981
; 49          0049  1 ! 1-004 - Support the DEC Multinational character set.  JBS 20-Jul-1982
; 50          0050  1 ! 1-005 - Replace call to edt$$tst_eob. STS 22-Sep-1982
; 51          0051  1 ! 1-006 - Fix a missing dot.  JBS 07-Dec-1982
; 52          0052  1 ! 1-007 - Add conditionals for WPS and VT220 support.  JBS 11-Feb-1983
; 53          0053  1 !--
; 54          0054  1
```

```
;    56          0055  1 %SBTTL 'Declarations'
;    57          0056  1 !
;    58          0057  1 ! TABLE OF CONTENTS:
;    59          0058  1 !
;    60          0059  1
;    61          0060  1 REQUIRE 'EDTSRC:TRAROUNAM';
;    62          0499  1
;    63          0500  1 FORWARD ROUTINE
;    64          0501  1     EDT$$TST_ONSTR;                     . Compare the current character position with a string descriptor
;    65          0502  1
;    66          0503  1 !
;    67          0504  1 ! INCLUDE FILES:
;    68          0505  1 !
;    69          0506  1
;    70          0507  1 REQUIRE 'EDTSRC:EDTREQ';
;    71          0642  1
;    72          0643  1 LIBRARY 'EDTSRC:TRANSLATE';
;    73          0644  1
;    74          0645  1 LIBRARY 'EDTSRC:SUPPORTS';
;    75          0646  1
;    76          0647  1 !
;    77          0648  1 ! MACROS:
;    78          0649  1 !
;    79          0650  1 !       NONE
;    80          0651  1 !
;    81          0652  1 ! EQUATED SYMBOLS:
;    82          0653  1 !
;    83          0654  1 !       NONE
;    84          0655  1 !
;    85          0656  1 ! OWN STORAGE:
;    86          0657  1 !
;    87          0658  1 !       NONE
;    88          0659  1 !
;    89          0660  1 ! EXTERNAL REFERENCES:
;    90          0661  1 !
;    91          0662  1 !       In the routine
```

```
;    93          0663  1 %SBTTL 'EDT$$TST_ONSTR  - test for being on a given string'
;    94          0664  1
;    95          0665  1 GLOBAL ROUTINE EDT$$TST_ONSTR (                    ! Test for being on a given string
;    96          0666  1     ADDR,                                           ! Address of the model string
;    97          0667  1     LEN                                             ! Length of the model string
;    98          0668  1     ) =
;    99          0669  1
;   100          0670  1 !++
;   101          0671  1 ! FUNCTIONAL DESCRIPTION:
;   102          0672  1 !
;   103          0673  1 !       This routine checks to see if the string specified by ADDR and
;   104          0674  1 !       LEN matches at the current character position.
;   105          0675  1 !
;   106          0676  1 ! FORMAL PARAMETERS:
;   107          0677  1 !
;   108          0678  1 !  ADDR                 Address of the string to test against the current position
;   109          0679  1 !
;   110          0680  1 !  LEN                  Length of that string
;   111          0681  1 !
;   112          0682  1 ! IMPLICIT INPUTS:
;   113          0683  1 !
;   114          0684  1 !       EDT$$G_EXCT_MATCH
;   115          0685  1 !       EDT$$A_LN_END
;   116          0686  1 !       EDT$$A_LN_PTR
;   117          0687  1 !
;   118          0688  1 ! IMPLICIT OUTPUTS:
;   119          0689  1 !
;   120          0690  1 !       EDT$$A_LN_PTR
;   121          0691  1 !
;   122          0692  1 ! ROUTINE VALUE:
;   123          0693  1 !
;   124          0694  1 !       The value 1 is returned if it matches, 0 otherwise.
;   125          0695  1 !
;   126          0696  1 ! SIDE EFFECTS:
;   127          0697  1 !
;   128          0698  1 !       NONE
;   129          0699  1 !
;   130          0700  1 !--
;   131          0701  1
;   132          0702  2     BEGIN
;   133          0703  2
;   134          0704  2     EXTERNAL ROUTINE
;   135          0705  2         EDT$$CS_DWN,                                ! Move down a line
;   136          0706  2         EDT$$CS_LEFT;                               ! Move left a character
;   137          0707  2
;   138          0708  2     EXTERNAL
;   139          0709  2         EDT$$A_WK_LN : REF LIN_BLOCK,
;   140          0710  2         EDT$$Z_EOB_LN,
;   141          0711  2         EDT$$G_EXCT_MATCH,                          ! Exact search or no.
;   142          0712  2         EDT$$A_LN_END,                              ! End of current line pointer
;   143          0713  2         EDT$$A_LN_PTR                               ! Current character pointer
;   144          0714  2
;   145        L 0715  2 %IF SUPPORT_VT220
;   146          0716  2 %THEN
;   147          0717  2
;   148          0718  2         EDT$$B_CHAR_INFO : BLOCKVECTOR [256, 1, BYTE];  ! Information about characters
;   149          0719  2
```

```
;  150          0720  2      BIND
;  151          0721  2          GENERAL_TABLE = UPLIT (BYTE (CHAR_GENERAL)) : VECTOR [256, BYTE];
;  152          0722  2
;  153          0723  2      BIND
;  154          0724  2          CI_TABLE = UPLIT (BYTE (CHAR_CI)) : VECTOR [256, BYTE];
;  155          0725  2
;  156          0726  2      BIND
;  157          0727  2          DI_TABLE = UPLIT (BYTE (CHAR_DI)) : VECTOR [256, BYTE];
;  158          0728  2
;  159        U 0729  2  %ELSE
;  160        U 0730  2      :
;  161          0731  2  %FI
;  162          0732  2
;  163          0733  2      LOCAL
;  164          0734  2          SC,
;  165          0735  2          TC,
;  166          0736  2          CP,
;  167          0737  2          MATCHED;
;  168          0738  2
;  169          0739  2  !+
;  170          0740  2  ! Keep track of how many characters matched so we can back up.
;  171          0741  2  !-
;  172          0742  2      MATCHED = 0;
;  173          0743  2      CP = .ADDR;
;  174          0744  2  !+
;  175          0745  2  ! Loop over size of the string.
;  176          0746  2  !-
;  177          0747  2
;  178          0748  2      DECR I FROM .LEN - 1 TO 0 DO
;  179          0749  3          BEGIN
;  180          0750  3
;  181          0751  4          IF CH$PTR_EQL (.EDT$$A_LN_PTR, .EDT$$A_LN_END)
;  182          0752  3          THEN
;  183          0753  3
;  184          0754  4              IF (CH$RCHAR_A (CP) EQL ASC_K_CR)
;  185          0755  3              THEN
;  186          0756  3
;  187          0757  3                  IF (.EDT$$A_WK_LN EQLA EDT$$Z_EOB_LN) THEN EXITLOOP ELSE EDT$$CS_DWN ()
;  188          0758  3
;  189          0759  3              ELSE
;  190          0760  3                  EXITLOOP
;  191          0761  3
;  192          0762  3          ELSE
;  193          0763  4              BEGIN
;  194          0764  4              SC = CH$RCHAR (.EDT$$A_LN_PTR);
;  195          0765  4              TC = CH$RCHAR_A (CP);                ! get the char we're trying to match
;  196          0766  4
;  197          0767  4              CASE .EDT$$G_EXCT_MATCH FROM 0 TO 4 OF
;  198          0768  4                  SET
;  199          0769  4
;  200          0770  4                  [0] :                            ! General
;  201          0771  5                      BEGIN
;  202          0772  5
;  203        L 0773  5  %IF SUPPORT_VT220
;  204          0774  5  %THEN
;  205          0775  5
;  206          0776  5                      IF (.GENERAL_TABLE [.SC] NEQ .GENERAL_TABLE [.TC]) THEN EXITLOOP;
```

```
;  207          0777  5
;  208        U 0778  5 %ELSE
;  209        U 0779  5
;  210        U 0780  5                       IF ((.SC GEQ %C'a') AND (.SC LEQ %C'z')) THEN SC = .SC - %C'a' + %C'A';
;  211        U 0781  5
;  212        U 0782  5                       IF ((.TC GEQ %C'a') AND (.TC LEQ %C'z')) THEN TC = .TC - %C'a' + %C'A';
;  213        U 0783  5
;  214        U 0784  5                       IF (.SC NEQ .TC) THEN EXITLOOP;
;  215        U 0785  5
;  216          0786  5 %FI
;  217          0787  5
;  218          0788  4                       END;
;  219          0789  4
;  220          0790  4                   [1] :                               ! Exact
;  221          0791  4
;  222          0792  4                       IF (.SC NEQ .TC) THEN EXITLOOP;
;  223          0793  4
;  224          0794  4                   [2] :                               ! WPS
;  225          0795  5                       BEGIN
;  226          0796  5
;  227        L 0797  5 %IF SUPPORT_WPS
;  228          0798  5 %THEN
;  229          0799  5
;  230        L 0800  5 %IF SUPPORT_VT220
;  231          0801  5 %THEN
;  232          0802  5
;  233          0803  5                           IF .EDT$$B_CHAR_INFO [.TC, 0, 0, 1, 0]      ! If lower case letter
;  234          0804  5                           THEN
;  235        U 0805  5 %ELSE
;  236        U 0806  5
;  237        U 0807  5                               IF ((.TC GEQ %C'a') AND (.TC LEQ %C'z'))
;  238        U 0808  5                               THEN
;  239          0809  5 %FI
;  240          0810  5
;  241          0811  6                               BEGIN
;  242          0812  6
;  243        L 0813  6 %IF SUPPORT_VT220
;  244          0814  6 %THEN
;  245          0815  6
;  246          0816  6                               IF (.CI_TABLE [.SC] NEQ .CI_TABLE [.TC]) THEN EXITLOOP;
;  247          0817  6
;  248        U 0818  6 %ELSE
;  249        U 0819  6
;  250        U 0820  6                               IF ((.SC GEQ %C'a') AND (.SC LEQ %C'z')) THEN SC = .SC - %C'a' + %C'A';
;  251        U 0821  6
;  252        U 0822  6                               IF ((.TC GEQ %C'a') AND (.TC LEQ %C'z')) THEN TC = .TC - %C'a' + %C'A';
;  253        U 0823  6
;  254        U 0824  6                               IF (.SC NEQ .TC) THEN EXITLOOP;
;  255        U 0825  6
;  256          0826  6 %FI
;  257          0827  6
;  258          0828  6                               END
;  259          0829  5                           ELSE
;  260          0830  6                               BEGIN
;  261          0831  6
;  262          0832  6                               IF (.SC NEQ .TC) THEN EXITLOOP;     ! Exact compare
;  263          0833  6
```

```
;  264          0834  5                                END;
;  265          0835  5
;  266        U 0836  5 %ELSE
;  267        U 0837  5                                0
;  268          0838  5 %FI
;  269          0839  5
;  270          0840  4                                END;
;  271          0841  4
;  272          0842  4                            [3] :                               ! Case insensitive
;  273          0843  5                                BEGIN
;  274          0844  5
;  275        L 0845  5 %IF SUPPORT_VT220
;  276          0846  5 %THEN
;  277          0847  5
;  278          0848  5                                IF (.CI_TABLE [.SC] NEQ .CI_TABLE [.TC]) THEN EXITLOOP;
;  279          0849  5
;  280        U 0850  5 %ELSE
;  281        U 0851  5                                0
;  282          0852  5 %FI
;  283          0853  5
;  284          0854  4                                END;
;  285          0855  4
;  286          0856  4                            [4] :                               ! Diacritical insensitive
;  287          0857  5                                BEGIN
;  288          0858  5
;  289        L 0859  5 %IF SUPPORT_VT220
;  290          0860  5 %THEN
;  291          0861  5
;  292          0862  5                                IF (.DI_TABLE [.SC] NEQ .DI_TABLE [.TC]) THEN EXITLOOP;
;  293          0863  5
;  294        U 0864  5 %ELSE
;  295        U 0865  5                                0
;  296          0866  5 %FI
;  297          0867  5
;  298          0868  4                                END;
;  299          0869  4
;  300          0870  4                            [OUTRANGE] :
;  301          0871  4                                ASSERT (0);
;  302          0872  4                            TES;
;  303          0873  4
;  304          0874  4                        EDT$$A_LN_PTR = CH$PLUS (.EDT$$A_LN_PTR, 1);
;  305          0875  3                        END;
;  306          0876  3
;  307          0877  3                MATCHED = .MATCHED + 1;
;  308          0878  2                END;
;  309          0879  2
;  310          0880  2 !+
;  311          0881  2 ! Back up to the original position.
;  312          0882  2 !-
;  313          0883  2
;  314          0884  2     DECR I FROM .MATCHED - 1 TO 0 DO
;  315          0885  2         EDT$$CS_LEFT ();
;  316          0886  2
;  317          0887  2     RETURN (.MATCHED EQL .LEN);
;  318          0888  1     END;                                        ! of routine EDT$$TST_ONSTR
```

```
                                                                        .TITLE  EDT$CHMONSTR EDT$CHMONSTR - test for being on a
;                                                                                       given string
                                                                        .IDENT  \V04-000\

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

0E  0D  0C  0B  0A  09  08  07  06  05  04  03  02  01  00  00000 P.AAA:  .BYTE   0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, -
1D  1C  1B  1A  19  18  17  16  15  14  13  12  11  10  0F  0000F                  13, 14, 15, 16, 17, 18, 19, 20, 21, 22, -
2C  2B  2A  29  28  27  26  25  24  23  22  21  20  1F  1E  0001E                  23, 24, 25, 26, 27, 28, 29, 30, 31, 32, -
3B  3A  39  38  37  36  35  34  33  32  31  30  2F  2E  2D  0002D                  33, 34, 35, 36, 37, 38, 39, 40, 41, 42, -
4A  49  48  47  46  45  44  43  42  41  40  3F  3E  3D  3C  0003C                  43, 44, 45, 46, 47, 48, 49, 50, 51, 52, -
59  58  57  56  55  54  53  52  51  50  4F  4E  4D  4C  4B  0004B                  53, 54, 55, 56, 57, 58, 59, 60, 61, 62, -
48  47  46  45  44  43  42  41  60  5F  5E  5D  5C  5B  5A  0005A                  63, 64, 65, 66, 67, 68, 69, 70, 71, 72, -
57  56  55  54  53  52  51  50  4F  4E  4D  4C  4B  4A  49  00069                  73, 74, 75, 76, 77, 78, 79, 80, 81, 82, -
86  85  84  83  82  81  80  7F  7E  7D  7C  7B  5A  59  58  00078                  83, 84, 85, 86, 87, 88, 89, 90, 91, 92, -
95  94  93  92  91  90  8F  8E  8D  8C  8B  8A  89  88  87  00087                  93, 94, 95, 96, 65, 66, 67, 68, 69, 70, -
A4  A3  A2  A1  A0  9F  9E  9D  9C  9B  9A  99  98  97  96  00096                  71, 72, 73, 74, 75, 76, 77, 78, 79, 80, -
B3  B2  B1  B0  AF  AE  AD  AC  AB  AA  A9  A8  A7  A6  A5  000A5                  81, 82, 83, 84, 85, 86, 87, 88, 89, 90, -
41  41  41  BF  BE  BD  BC  BB  BA  B9  B8  B7  B6  B5  B4  000B4                  123, 124, 125, 126, 127, -128, -127, -
4E  D0  49  49  49  49  45  45  45  45  43  C6  41  41  41  000C3                  -126, -125, -124, -123, -122, -121, -120, -
41  DF  DE  59  55  55  55  55  4F  D7  4F  4F  4F  4F  4F  000D2                  -119, -118, -117, -116, -115, -114, -113, -
49  49  49  49  45  45  45  45  43  C6  41  41  41  41  41  00CE1                  -112, -111, -110, -109, -108, -107, -106, -
FE  59  55  55  55  55  4F  D7  4F  4F  4F  4F  4F  4E  F0  000F0                  -105, -104, -103, -102, -101, -100, -99, -
                                                        FF  000FF                  -98, -97, -96, -95, -94, -93, -92, -91, -
                                                                                   -90, -89, -88, -87, -86, -85, -84, -83, -
                                                                                   -82, -81, -80, -79, -78, -77, -76, -75, -
                                                                                   -74, -73, -72, -71, -70, -69, -68, -67, -
                                                                                   -66, -65, 65, 65, 65, 65, 65, 65, -58, -
                                                                                   67, 69, 69, 69, 69, 73, 73, 73, 73, -48, -
                                                                                   78, 79, 79, 79, 79, 79, -41, 79, 85, 85, -
                                                                                   85, 85, 89, -34, -33, 65, 65, 65, 65, 65, -
                                                                                   65, -58, 67, 69, 69, 69, 69, 73, 73, 73, -
                                                                                   73, -16, 78, 79, 79, 79, 79, 79, -41, 79, -
                                                                                   85, 85, 85, 85, 89, -2, -1

0E  0D  0C  0B  0A  09  08  07  06  05  04  03  02  01  00  00100 P.AAB:  .BYTE   0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, -
1D  1C  1B  1A  19  18  17  16  15  14  13  12  11  10  0F  0010F                  13, 14, 15, 16, 17, 18, 19, 20, 21, 22, -
2C  2B  2A  29  28  27  26  25  24  23  22  21  20  1F  1E  0011E                  23, 24, 25, 26, 27, 28, 29, 30, 31, 32, -
3B  3A  39  38  37  36  35  34  33  32  31  30  2F  2E  2D  0012D                  33, 34, 35, 36, 37, 38, 39, 40, 41, 42, -
4A  49  48  47  46  45  44  43  42  41  40  3F  3E  3D  3C  0013C                  43, 44, 45, 46, 47, 48, 49, 50, 51, 52, -
59  58  57  56  55  54  53  52  51  50  4F  4E  4D  4C  4B  0014B                  53, 54, 55, 56, 57, 58, 59, 60, 61, 62, -
48  47  46  45  44  43  42  41  60  5F  5E  5D  5C  5B  5A  0015A                  63, 64, 65, 66, 67, 68, 69, 70, 71, 72, -
57  56  55  54  53  52  51  50  4F  4E  4D  4C  4B  4A  49  00169                  73, 74, 75, 76, 77, 78, 79, 80, 81, 82, -
86  85  84  83  82  81  80  7F  7E  7D  7C  7B  5A  59  58  00178                  83, 84, 85, 86, 87, 88, 89, 90, 91, 92, -
95  94  93  92  91  90  8F  8E  8D  8C  8B  8A  89  88  87  00187                  93, 94, 95, 96, 65, 66, 67, 68, 69, 70, -
A4  A3  A2  A1  A0  9F  9E  9D  9C  9B  9A  99  98  97  96  00196                  71, 72, 73, 74, 75, 76, 77, 78, 79, 80, -
B3  B2  B1  B0  AF  AE  AD  AC  AB  AA  A9  A8  A7  A6  A5  001A5                  81, 82, 83, 84, 85, 86, 87, 88, 89, 90, -
C2  C1  C0  BF  BE  BD  BC  BB  BA  B9  B8  B7  B6  B5  B4  001B4                  123, 124, 125, 126, 127, -128, -127, -
D1  D0  CF  CE  CD  CC  CB  CA  C9  C8  C7  C6  C5  C4  C3  001C3                  -126, -125, -124, -123, -122, -121, -120, -
C0  DF  DE  DD  DC  DB  DA  D9  D8  D7  D6  D5  D4  D3  D2  001D2                  -119, -118, -117, -116, -115, -114, -113, -
CF  CE  CD  CC  CB  CA  C9  C8  C7  C6  C5  C4  C3  C2  C1  001E1                  -112, -111, -110, -109, -108, -107, -106, -
FE  DD  DC  DB  DA  D9  D8  D7  D6  D5  D4  D3  D2  D1  F0  001F0                  -105, -104, -103, -102, -101, -100, -99, -
                                                        FF  001FF                  -98, -97, -96, -95, -94, -93, -92, -91, -
                                                                                   -90, -89, -88, -87, -86, -85, -84, -83, -
                                                                                   -82, -81, -80, -79, -78, -77, -76, -75, -
                                                                                   -74, -73, -72, -71, -70, -69, -68, -67, -
                                                                                   -66, -65, -64, -63, -62, -61, -60, -59, -
                                                                                   -58, -57, -56, -55, -54, -53, -52, -51, -
```

```
                                                                                   -50, -49, -48, -47, -46, -45, -44, -43, -   ;
                                                                                   -42, -41, -40, -39, -38, -37, -36, -35, -   ;
                                                                                   -34, -33, -64, -63, -62, -61, -60, -59, -   ;
                                                                                   -58, -57, -56, -55, -54, -53, -52, -51, -   ;
                                                                                   -50, -49, -16, -47, -46, -45, -44, -43, -   ;
                                                                                   -42, -41, -40, -39, -38, -37, -36, -35, -   ;
                                                                                   -2, -1
0E 0D 0C 0B 0A 09 08 07 06 05 04 03 02 01 00 00200 P.AAC:   .BYTE    0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, - ;
1D 1C 1B 1A 19 18 17 16 15 14 13 12 11 10 0F 0020F                   13, 14, 15, 16, 17, 18, 19, 20, 21, 22, -   ;
2C 2B 2A 29 28 27 26 25 24 23 22 21 20 1F 1E 0021E                   23, 24, 25, 26, 27, 28, 29, 30, 31, 32, -   ;
3B 3A 39 38 37 36 35 34 33 32 31 30 2F 2E 2D 0022D                   33, 34, 35, 36, 37, 38, 39, 40, 41, 42, -   ;
4A 49 48 47 46 45 44 43 42 41 40 3F 3E 3D 3C 0023C                   43, 44, 45, 46, 47, 48, 49, 50, 51, 52, -   ;
59 58 57 56 55 54 53 52 51 50 4F 4E 4D 4C 4B 0024B                   53, 54, 55, 56, 57, 58, 59, 60, 61, 62, -   ;
68 67 66 65 64 63 62 61 60 5F 5E 5D 5C 5B 5A 0025A                   63, 64, 65, 66, 67, 68, 69, 70, 71, 72, -   ;
77 76 75 74 73 72 71 70 6F 6E 6D 6C 6B 6A 69 00269                   73, 74, 75, 76, 77, 78, 79, 80, 81, 82, -   ;
86 85 84 83 82 81 80 7F 7E 7D 7C 7B 7A 79 78 00278                   83, 84, 85, 86, 87, 88, 89, 90, 91, 92, -   ;
95 94 93 92 91 90 8F 8E 8D 8C 8B 8A 89 88 87 00287                   93, 94, 95, 96, 97, 98, 99, 100, 101, -     ;
A4 A3 A2 A1 A0 9F 9E 9D 9C 9B 9A 99 98 97 96 00296                   102, 103, 104, 105, 106, 107, 108, 109, -   ;
B3 B2 B1 B0 AF AE AD AC AB AA A9 A8 A7 A6 A5 002A5                   110, 111, 112, 113, 114, 115, 116, 117, -   ;
41 41 41 BF BE BD BC BB BA B9 B8 B7 B6 B5 B4 002B4                   118, 119, 120, 121, 122, 123, 124, 125, -   ;
4E D0 49 49 49 49 45 45 45 45 43 C6 41 41 41 002C3                   126, 127, -128, -127, -126, -125, -124, -   ;
61 DF DE 59 55 55 55 55 4F D7 4F 4F 4F 4F 4F 002D2                   -123, -122, -121, -120, -119, -118, -117, - ;
69 69 69 69 65 65 65 65 63 E6 61 61 61 61 61 002E1                   -116, -115, -114, -113, -112, -111, -110, - ;
FE 79 75 75 75 75 6F F7 6F 6F 6F 6F 6F 6E F0 002F0                   -109, -108, -107, -106, -105, -104, -103, - ;
                                          FF 002FF                   -102, -101, -100, -99, -98, -97, -96, -     ;
                                                                     -95, -94, -93, -92, -91, -90, -89, -88, -   ;
                                                                     -87, -86, -85, -84, -83, -82, -81, -80, -   ;
                                                                     -79, -78, -77, -76, -75, -74, -73, -72, -   ;
                                                                     -71, -70, -69, -68, -67, -66, -65, 65, -    ;
                                                                     65, 65, 65, 65, 65, -58, 67, 69, 69, 69, -  ;
                                                                     69, 73, 73, 73, 73, -48, 78, 79, 79, 79, -  ;
                                                                     79, 79, -41, 79, 85, 85, 85, 85, 89, -34, - ;
                                                                     -33, 97, 97, 97, 97, 97, 97, -26, 99, -     ;
                                                                     101, 101, 101, 101, 105, 105, 105, 105, -   ;
                                                                     -16, 110, 111, 111, 111, 111, 111, -9, -    ;
                                                                     111, 117, 117, 117, 117, 121, -2, -1        ;

                                                GENERAL_TABLE=       P.AAA
                                                CI_TABLE=            P.AAB
                                                DI_TABLE=            P.AAC
                                                         .EXTRN  EDT$$CS_DWN, EDT$$CS_LEFT
                                                         .EXTRN  EDT$$A_WK_LN, EDT$$Z_EOB_LN
                                                         .EXTRN  EDT$$G_EXCT_MATCH
                                                         .EXTRN  EDT$$A_LN_END, EDT$$A_LN_PTR
                                                         .EXTRN  EDT$$B_CHAR_INFO
                                                         .EXTRN  EDT$$INTER_ERR

                                   00FC 00000            .ENTRY  EDT$$TST_ONSTR, Save R2,R3,R4,R5,R6,R7      ; 0665
              57 00000000G    00    9E 00002            MOVAB   EDT$$A_LN_PTR, R7
                               53    D4 00009            CLRL    MATCHED                                     ; 0742
              56          04   AC    D0 0000B            MOVL    ADDR, CP                                    ; 0743
              55          08   AC    D0 0000F            MOVL    LEN, I                                      ; 0748
                             0081    31 00013            BRW     12$
              50               67    D0 00016  1$:       MOVL    EDT$$A_LN_PTR, R0                           ; 0751
   00000000G  00               50    D1 00019            CMPL    R0, EDT$$A_LN_END
                               21    12 00020            BNEQ    2$
              51               86    9A 00022            MOVZBL  (CP)+, R1                                   ; 0754
```

```
                                 0D              51  91 00025          CMPB    R1, #13                                          ;
                                                 75  12 00028          BNEQ    14$                                              ;
                                 50 00000000G    00  9E 0002A          MOVAB   EDT$$Z_EOB_LN, R0                                ; 0757
                                 50 00000000G    00  D1 00031          CMPL    EDT$$A_WK_LN, R0                                 ;
                                                 65  13 00038          BEQL    14$                                              ;
                     00000000G   00              00  FB 0003A          CALLS   #0, EDT$$CS_DWN                                  ;
                                                 52  11 00041          BRB     11$                                              ;
                                 54              60  9A 00043 2$:      MOVZBL  (R0), SC                                         ; 0764
                                 52              86  9A 00046          MOVZBL  (CP)+, TC                                        ; 0765
                          04                     00  CF 00049          CASEL   EDT$$G_EXCT_MATCH, #0, #4                        ; 0767
                002C            0023            001E        0013      00051 3$:   .WORD   4$-3$,-                                  ;
                                                            0037      00059               5$-3$,-                              ;
                                                                                        6$-3$,-                              ;
                                                                                        7$-3$,-                              ;
                                                                                        8$-3$                                ;
                     00000000G   00              00  FB 0005B          CALLS   #0, EDT$$INTER_ERR                               ; 0871
                                                 2F  11 00062          BRB     10$                                              ; 0767
                         FC93 CF42       FC97 CF44  91 00064 4$:      CMPB    GENERAL_TABLE[SC], GENERAL_TABLE[TC]             ; 0776
                                                 22  11 0006D          BRB     9$                                               ;
                                 52              54  D1 0006F 5$:      CMPL    SC, TC                                           ; 0792
                                                 1D  11 00072          BRB     9$                                               ;
                    F2 00000000G0042             00  E1 00074 6$:      BBC     #0, EDT$$B_CHAR_INFO[TC], 5$                     ; 0803
                         FD7A CF42       FD7E CF44  91 0007D 7$:      CMPB    CI_TABLE[SC], CI_TABLE[TC]                       ; 0816
                                                 09  11 00086          BRB     9$                                               ;
                         FE6F CF42       FE73 CF44  91 00088 8$:      CMPB    DI_TABLE[SC], DI_TABLE[TC]                       ; 0862
                                                 0C  12 00091 9$:      BNEQ    14$                                              ;
                                                 67  D6 00093 10$:     INCL    EDT$$A_LN_PTR                                    ; 0874
                                                 53  D6 00095 11$:     INCL    MATCHED                                          ; 0877
                                 02              55  F4 00097 12$:     SOBGEQ  I, 13$                                           ; 0748
                                                 03  11 0009A          BRB     14$                                              ;
                                               FF77  31 0009C 13$:     BRW     1$                                               ;
                                 52              53  D0 0009F 14$:     MOVL    MATCHED, I                                       ; 0884
                                                 07  11 000A2          BRB     16$                                              ;
                     00000000G   00              00  FB 000A4 15$:     CALLS   #0, EDT$$CS_LEFT                                 ; 0885
                                 F6              52  F4 000AB 16$:     SOBGEQ  I, 15$                                           ;
                                                 50  D4 000AE          CLRL    R0                                               ; 0887
                          08     AC              53  D1 000B0          CMPL    MATCHED, LEN                                     ;
                                                 02  12 000B4          BNEQ    17$                                              ;
                                                 50  D6 000B6          INCL    R0                                               ;
                                                     04 000B8 17$:     RET                                                      ; 0888

; Routine Size:  185 bytes,    Routine Base:  _EDT$CODE + 0300

;  319          0889  1
;  320          0890  1 !<BLF/PAGE>
```

```
;  322          0891  1 END                                          ! of module EDT$CHMONSTR
;  323          0892  1
;  324          0893  0 ELUDOM
```

PSECT SUMMARY

Name	Bytes	Attributes
_EDT$CODE	953	NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

Library Statistics

File	Symbols Total	Symbols Loaded	Symbols Percent	Pages Mapped	Processing Time
_255DUA28:[EDT.SRC]EDT.L32;1	377	11	2	40	00:00.2
_255DUA28:[EDT.SRC]PSECTS.L32;1	2	1	50	7	00:00.1
_255DUA28:[EDT.SRC]TRANSLATE.L32;1	6	3	50	57	00:00.1
_255DUA28:[EDT.SRC]SUPPORTS.L32;1	2	2	100	5	00:00.1

COMMAND QUALIFIERS

```
;       BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS$:CHMONSTR/OBJ=OBJ$:CHMONSTR MSRC$:CHMONSTR.BLI/UPDATE=(ENH$:CHMO
;       NSTR)

; Size:         185 code + 768 data bytes
; Run Time:       00:23.5
; Elapsed Time:   00:27.3
; Lines/CPU Min:   2280
; Lexemes/CPU-Min: 15334
; Memory Used:  170 pages
; Compilation Complete
```

CHMMRKCHG LIS

CHMPARSEN LIS

CHMSELPOS LIS

CHMSPLLIN LIS

DATA LIS

CHMPAREN LIS

CHMUNDEL LIS

COMMAND LIS

CHMONSTR LIS

CHMSAVPOS LIS

CHMSCHSTR LIS

CHMREPOS LIS

CHMMESS LIS

CHMPASTE LIS

CHMSENDEL LIS

CHMTADJ LIS

CHMSAVTXT LIS

CLRKEY LIS

CHMNEWLEN LIS

CHMPARSE LIS

CHMSAVLIN LIS

CHMSUBS LIS