```
EEEEEEEEEEEEEEE    DDDDDDDDDDD       TTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEE   DDDDDDDDDDD       TTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEE   DDDDDDDDDDD       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
EEEEEEEEEEEEEEEE   DDDDDDDDDDD             TTT
EEEEEEEEEEEEEEEE   DDDDDDDDDDD             TTT
EEEEEEEEEEEEEEEE   DDDDDDDDDDD             TTT
```

FILEID**UEXACASE

ED
VO

```
UU        UU  EEEEEEEEEE  XX       XX    AAAAAA      CCCCCCC    AAAAAA     SSSSSSS   EEEEEEEEEE
UU        UU  EEEEEEEEEE  XX       XX    AAAAAA      CCCCCCC    AAAAAA     SSSSSSS   EEEEEEEEEE
UU        UU  EE          XX     XX    AA      AA  CC         AA      AA  SS         EE
UU        UU  EE          XX     XX    AA      AA  CC         AA      AA  SS         EE
UU        UU  EE            XX XX      AA      AA  CC         AA      AA  SS         EE
UU        UU  EE            XX XX      AA      AA  CC         AA      AA  SS         EE
UU        UU  EEEEEEEE       XX        AA      AA  CC         AA      AA    SSSSSS   EEEEEEEE
UU        UU  EEEEEEEE       XX        AA      AA  CC         AA      AA    SSSSSS   EEEEEEEE
UU        UU  EE            XX XX      AAAAAAAAAA  CC         AAAAAAAAAA        SS   EE
UU        UU  EE            XX XX      AAAAAAAAAA  CC         AAAAAAAAAA        SS   EE
UU        UU  EE          XX     XX    AA      AA  CC         AA      AA        SS   EE
UU        UU  EE          XX     XX    AA      AA  CC         AA      AA        SS   EE
UUUUUUUUUU    EEEEEEEEEE  XX       XX  AA      AA    CCCCCCC  AA      AA   SSSSSSS   EEEEEEEEEE
UUUUUUUUUU    EEEEEEEEEE  XX       XX  AA      AA    CCCCCCC  AA      AA   SSSSSSS   EEEEEEEEEE
```

```
LL               IIIIII     SSSSSSS
LL               IIIIII     SSSSSSS
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     SSSSSSS
LLLLLLLLLL       IIIIII     SSSSSSS
```

```
    1    0001   0 %TITLE 'EDT$UEXACASE - match strings of equal length'
    2    0002   0 MODULE EDT$UEXACASE (                              ! Match strings of equal length
    3    0003   0              IDENT = 'V04-000'                     ! File: UEXACASE.BLI Edit: JBS1005
    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 *
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   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 !         Exact case matching.
   37    0037   1 !
   38    0038   1 ! ENVIRONMENT:  Runs at any access mode - AST reentrant
   39    0039   1 !
   40    0040   1 ! AUTHOR: Bob Kushlis, CREATION DATE: February 7, 1978
   41    0041   1 !
   42    0042   1 ! MODIFIED BY:
   43    0043   1 !
   44    0044   1 ! 1-001 - Original. DJS 19-FEB-1981.  This module was created by
   45    0045   1 !          extracting routine EDT$$STR_CMP  from module UTIL.
   46    0046   1 ! 1-002 - Regularize headers.  JBS 11-Mar-1981
   47    0047   1 ! 1-003 - Add a parameter, to eliminate the other string compare routines,
   48    0048   1 !          and add two new search types.  This amounts to support of the
   49    0049   1 !          DEC Multinational character set.  JBS 20-Jul-1982
   50    0050   1 ! 1-004 - Put VT220 support under a conditional.  JBS 10-Feb-1983
   51    0051   1 ! 1-005 - Make unimplemented searches = general.  JBS 14-Feb-1983
   52    0052   1 !--
   53    0053   1
```

I 15

EDT$UEXACASE   EDT$UEXACASE - match strings of equal length   16-Sep-1984 01:58:24   VAX-11 Bliss-32 V4.0-742   Page 2
V04-000   Declarations   14-Sep-1984 12:25:12   DISK$VMSMASTER:[EDT.SRC]UEXACASE.BLI;1   (2)

```
    55      0054  1 %SBTTL 'Declarations'
    56      0055  1 !
    57      0056  1 ! TABLE OF CONTENTS:
    58      0057  1 !
    59      0058  1
    60      0059  1 REQUIRE 'EDTSRC:TRAROUNAM';
    61      0498  1
    62      0499  1 FORWARD ROUTINE
    63      0500  1     EDT$$STR_CMP;                                    ! Compare two strings, of equal length
    64      0501  1
    65      0502  1 !
    66      0503  1 ! INCLUDE FILES:
    67      0504  1 !
    68      0505  1
    69      0506  1 REQUIRE 'EDTSRC:EDTREQ';
    70      0641  1
    71      0642  1 LIBRARY 'EDTSRC:TRANSLATE';
    72      0643  1
    73      0644  1 LIBRARY 'EDTSRC:SUPPORTS';
    74      0645  1
    75      0646  1 !
    76      0647  1 ! MACROS:
    77      0648  1 !
    78      0649  1 !     NONE
    79      0650  1 !
    80      0651  1 ! EQUATED SYMBOLS:
    81      0652  1 !
    82      0653  1 !     NONE
    83      0654  1 !
    84      0655  1 ! OWN STORAGE:
    85      0656  1 !
    86      0657  1 !     NONE
    87      0658  1 !
    88      0659  1 ! EXTERNAL REFERENCES:
    89      0660  1 !
    90      0661  1 !     In the routine
```

J 15
EDT$UEXACASE   EDT$UEXACASE - match strings of equal length   16-Sep-1984 01:58:24   VAX-11 Bliss-32 V4.0-742   Page 3   ED
V04-000   EDT$$STR_CMP - compare two strings of equal le 14-Sep-1984 12:25:12   DISK$VMSMASTER:[EDT.SRC]UEXACASE.BLI;1   (3)   VC

```
   92        0662  1 %SBTTL 'EDT$$STR_CMP - compare two strings of equal length'
   93        0663  1
   94        0664  1 GLOBAL ROUTINE EDT$$STR_CMP (                        ! Compare two strings of equal length
   95        0665  1     SOURCE,                                          ! Pointer to source string
   96        0666  1     OBJECT,                                          ! Pointer to object string
   97        0667  1     OBJ_LEN,                                         ! Length of both strings
   98        0668  1     MATCH                                            ! Type of match
   99        0669  1     ) =
  100        0670  1
  101        0671  1 !++
  102        0672  1 ! FUNCTIONAL DESCRIPTION:
  103        0673  1 !
  104        0674  1 !       This routine compares two strings of equal length.  There are several
  105        0675  1 !       types of comparison that can be done.
  106        0676  1 !
  107        0677  1 ! FORMAL PARAMETERS:
  108        0678  1 !
  109        0679  1 !  SOURCE                   Pointer to the source string.
  110        0680  1 !
  111        0681  1 !  OBJECT                   Pointer to the object string.
  112        0682  1 !
  113        0683  1 !  OBJ_LEN                  Length of both strings.
  114        0684  1 !
  115        0685  1 !  MATCH                    The type of matching: 0 = general, 1 = exact, 2 = WPS,
  116        0686  1 !                            3 = case_insensitive, 4 = diacritical_insensitive
  117        0687  1 !
  118        0688  1 ! IMPLICIT INPUTS:
  119        0689  1 !
  120        0690  1 !       NONE
  121        0691  1 !
  122        0692  1 ! IMPLICIT OUTPUTS:
  123        0693  1 !
  124        0694  1 !       NONE
  125        0695  1 !
  126        0696  1 ! ROUTINE VALUE:
  127        0697  1 !
  128        0698  1 !       Returns one if the strings match, zero if not.
  129        0699  1 !
  130        0700  1 ! SIDE EFFECTS:
  131        0701  1 !
  132        0702  1 !       NONE
  133        0703  1 !
  134        0704  1 !--
  135        0705  1
  136        0706  2     BEGIN
  137        0707  2
  138  L     0708  2 %IF SUPPORT_VT220
  139        0709  2 %THEN
  140        0710  2
  141        0711  2     EXTERNAL
  142        0712  2         EDT$$B_CHAR_INFO : BLOCKVECTOR [256, 1, BYTE];   ! Information about characters
  143        0713  2
  144        0714  2     BIND
  145        0715  2         GENERAL_TABLE = UPLIT (BYTE (CHAR_GENERAL)) : VECTOR [256, BYTE];
  146        0716  2
  147        0717  2     BIND
  148        0718  2         CI_TABLE = UPLIT (BYTE (CHAR_CI)) : VECTOR [256, BYTE];
```

K 15
EDT$UEXACASE   EDT$UEXACASE - match strings of equal length   16-Sep-1984 01:58:24   VAX-11 Bliss-32 V4.0-742   Page 4
V04-000   EDT$$STR_CMP - compare two strings of equal le 14-Sep-1984 12:25:12   DISK$VMSMASTER:[EDT.SRC]UEXACASE.BLI;1   (3)

```
149        0719  2
150        0720  2              BIND
151        0721  2                  DI_TABLE = UPLIT (BYTE (CHAR_DI)) : VECTOR [256, BYTE];
152        0722  2
153        0723  2 %FI
154        0724  2
155        0725  2              CASE .MATCH FROM 0 TO 4 OF
156        0726  2                  SET
157        0727  2
158        0728  2                  [0
159        0729  2
160      L 0730  3 %IF ( NOT SUPPORT_VT220)
161      U 0731  2 %THEN
162      U 0732  2                  , 3, 4
163        0733  2 %FI
164        0734  2
165        0735  2                  ] :                                ! General: disregard both the case of letters and diacritical marks
166        0736  3                      BEGIN
167        0737  3
168        0738  3                      LOCAL
169        0739  3                          SP,
170        0740  3                          OP;
171        0741  3
172        0742  3                      OP = .OBJECT;
173        0743  3                      SP = .SOURCE;
174        0744  3                      ASSERT ((.SP NEQA 0) AND (.OP NEQA 0));
175        0745  3
176        0746  3                      DECR I FROM .OBJ_LEN - 1 TO 0 DO
177        0747  4                          BEGIN
178        0748  4
179      L 0749  4 %IF SUPPORT_VT220
180        0750  4 %THEN
181        0751  4
182        0752  4                          IF (.GENERAL_TABLE [CH$RCHAR_A (SP)] NEQ .GENERAL_TABLE [CH$RCHAR_A (OP)]) THEN RETURN (0);
183        0753  4
184      U 0754  4 %ELSE
185      U 0755  4
186      U 0756  4                          LOCAL
187      U  ?7   4                              SC,
188      U 0758  4                              OC;
189      U 0759  4
190      U 0760  4                          SC = CH$RCHAR_A (SP);
191      U 0761  4                          OC = CH$RCHAR_A (OP);
192      U 0762  4
193      U 0763  4                          IF ((.SC GEQ %C'a') AND (.SC LEQ %C'z')) THEN SC = .SC - %C'a' + %C'A';
194      U 0764  4
195      U 0765  4                          IF ((.OC GEQ %C'a') AND (.OC LEQ %C'z')) THEN OC = .OC - %C'a' + %C'A';
196      U 0766  4
197      U 0767  4                          IF (.SC NEQ .OC) THEN RETURN (0);
198      U 0768  4
199        0769  4 %FI
200        0770  4
201        0771  3                          END;
202        0772  3
203        0773  3                      END;
204        0774  2
205        0775  2                  [1] :                              ! Exact match
```

```
  206        0776   2                         IF ( NOT CH$EQL (.OBJ_LEN, .SOURCE, .OBJ_LEN, .OBJECT)) THEN RETURN (0);
  207        0777   2
  208        0778   2
  209        0779   2              [2] :
  210        0780   2         !+
  211        0781   2         ! WPS matching: if the object (model) character is a lower case letter,
  212        0782   2         ! the source character may be either upper or lower case.
  213        0783   2         ! Otherwise, an exact match is required.
  214        0784   2         !-
  215        0785   3                  BEGIN
  216        0786   3
  217        0787   3                  LOCAL
  218        0788   3                      SP,
  219        0789   3                      OP,
  220        0790   3                      OC;
  221        0791   3
  222      L 0792   4     %IF (SUPPORT_WPS AND SUPPORT_VT220)
  223        0793   3     %THEN
  224        0794   3                      OP = .OBJECT;
  225        0795   3                      SP = .SOURCE;
  226        0796   3                      ASSERT ((.SP NEQA 0) AND (.OP NEQA 0));
  227        0797   3
  228        0798   3                      DECR I FROM .OBJ_LEN - 1 TO 0 DO
  229        0799   4                          BEGIN
  230        0800   4                          OC = CH$RCHAR_A (OP);
  231        0801   4
  232        0802   4                          IF .EDT$$B_CHAR_INFO [.OC, 0, 0, 1, 0]  ! If OC is lower case
  233        0803   4                          THEN
  234        0804   5                              BEGIN
  235        0805   5
  236        0806   5                              IF (.CI_TABLE [.OC] NEQ .CI_TABLE [CH$RCHAR_A (SP)]) THEN RETURN (0);
  237        0807   5
  238        0808   5                              END
  239        0809   4                          ELSE
  240        0810   5                              BEGIN
  241        0811   5
  242        0812   5                              IF (.OC NEQ CH$RCHAR_A (SP)) THEN RETURN (0);
  243        0813   5
  244        0814   4                              END;
  245        0815   4
  246        0816   3                          END;
  247        0817   3
  248      U 0818   3     %ELSE
  249      U 0819   3                      0
  250        0820   3     %FI
  251        0821   3
  252        0822   2                  END;
  253        0823   2
  254      L 0824   2     %IF SUPPORT_VT220
  255        0825   2     %THEN
  256        0826   2
  257        0827   2              [3] :                                        ! Case-insensitive matching
  258        0828   3                  BEGIN
  259        0829   3
  260        0830   3                  LOCAL
  261        0831   3                      SP,
  262        0832   3                      OP;
```

M 15
EDT$UEXACASE   EDT$UEXACASE - match strings of equal length   16-Sep-1984 01:58:24   VAX-11 Bliss-32 V4.0-742   Page 6
V04-000   EDT$$STR_CMP - compare two strings of equal le 14-Sep-1984 12:25:12   DISK$VMSMASTER:[EDT.SRC]UEXACASE.BLI;1   (3)

```
 263    0833  3                              OP = .OBJECT;
 264    0834  3                              SP = .SOURCE;
 265    0835  3                              ASSERT ((.SP NEQA 0) AND (.OP NEQA 0));
 266    0836  3
 267    0837  3
 268    0838  3                              DECR I FROM .OBJ_LEN - 1 TO 0 DO
 269    0839  4                                  BEGIN
 270    0840  4
 271    0841  4                                  IF (.CI_TABLE [CH$RCHAR_A (SP)] NEQ .CI_TABLE [CH$RCHAR_A (OP)]) THEN RETURN (0);
 272    0842  4
 273    0843  3                                  END;
 274    0844  3
 275    0845  2                              END;
 276    0846  2
 277    0847  2                          [4] :                                         ! Diacritical-insensitive matching
 278    0848  3                              BEGIN
 279    0849  3
 280    0850  3                              LOCAL
 281    0851  3                                  SP,
 282    0852  3                                  OP;
 283    0853  3
 284    0854  3                              OP = .OBJECT;
 285    0855  3                              SP = .SOURCE;
 286    0856  3                              ASSERT ((.SP NEQA 0) AND (.OP NEQA 0));
 287    0857  3
 288    0858  3                              DECR I FROM .OBJ_LEN - 1 TO 0 DO
 289    0859  4                                  BEGIN
 290    0860  4
 291    0861  4                                  IF (.DI_TABLE [CH$RCHAR_A (SP)] NEQ .DI_TABLE [CH$RCHAR_A (OP)]) THEN RETURN (0);
 292    0862  4
 293    0863  3                                  END;
 294    0864  3
 295    0865  2                              END;
 296    0866  2  %FI
 297    0867  2
 298    0868  2                          [OUTRANGE] :
 299    0869  2                              ASSERT (0);
 300    0870  2                          TES;
 301    0871  2
 302    0872  2                      RETURN (1);
 303    0873  1                      END;                                          ! of routine EDT$$STR_CMP


                                                                            .TITLE   EDT$UEXACASE EDT$UEXACASE - match strings of eq
                                                                                     ual length
                                                                            .IDENT   \V04-000\

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

 OE  OD  OC  OB  OA  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 4i 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 000E1            -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

OE 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 '9 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

OE 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, -
```

B 16

EDTSUEXACASE   EDTSUEXACASE - match strings of equal length   16-Sep-1984 01:58:24   VAX-11 Bliss-32 V4.0-742   Page 8
V04-000   EDTS$STR_CMP - compare two strings of equal le 14-Sep-1984 12:25:12   DISK$VMSMASTER:[EDT.SRC]UEXACASE.BLI;1 (3)

```
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, 95, 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
                                       RI_TABLE=           P.AAC
                                       .EXTRN  EDT$$B_CHAR_INFO
                                       .EXTRN  EDT$$INTER_ERR

                              007C 00000    .ENTRY  EDT$$STR_CMP, Save R2,R3,R4,R5,R6          0664
                56     FDFA CF 9E 00002      MOVAB   CI_TABLE, R6
                55 00000000G 00 9E 00007     MOVAB   EDT$$INTER_ERR, R5
                   04    00     10 AC CF 0000E   CASEL   MATCH, #0, #4                         0725
    0080        0048     003C    C00F  C0013 1$: .WORD  2$-1$,-
                               00A9  0001B              7$-1$,-
                                                        9$-1$,-
                                                        17$-1$,-
                                                        23$-1$
                65          00 FB 0001D        CALLS   #0, EDT$$INTER_ERR                      0869
                6F          11 00020          BRB     16$                                     0725
                53       08 AC D0 00022 2$:    MOVL    OBJECT, OP                              0742
                54       04 AC D0 00026        MOVL    SOURCE, SP                              0743
                         04 13 0002A           BEQL    3$                                     0744
                         53 D5 0002C           TSTL    OP
                         03 12 0002E           BNEQ    4$
                65          00 FB 00030 5$:    CALLS   #0, EDT$$INTER_ERR
                52       0C AC D0 00033 4$:    MOVL    OBJ_LEN, I                              0746
                         11 11 00037           BRB     6$
                51          84 9A 00039 5$:    MOVZBL  (SP)+, R1                               0752
                50          83 9A 0003C        MOVZBL  (OP)+, R0
         FF00 C640  FF00 C641 91 0003F         CMPB    GENERAL_TABLE[R1], GENERAL_TABLE[R0]
                         0E 12 00048           BNEQ    8$
                EC          52 F4 0004A 6$:    SOBGEQ  I, 5$                                   0746
                         6B 11 0004D           BRB     22$                                     0725
    08  BC       04  BC    0C AC 29 0004F 7$:  CMPC3   OBJ_LEN, @SOURCE, @OBJECT               0777
                         62 13 00056           BEQL    22$
                      0090 31 00058 8$:        BRW     29$
```

C 16
EDT$UEXACASE   EDT$UEXACASE - match strings of equal length   16-Sep-1984 01:58:24   VAX-11 Bliss-32 V4.0-742   Page 9
V04-000   EDT$$STR_CMP - compare two strings of equal le 14-Sep-1984 12:25:12   DISK$VMSMASTER:[EDT.SRC]UEXACASE.BLI;1 (3)

```
                    53       04  AC 7D 0005B 9$:    MOVQ    SOURCE, SP                              0795
                             53  D5 0005F            TSTL    SP                                      0796
                             04  13 00061            BEQL    10$
                             54  D5 00063            TSTL    OP
                             03  12 00065            BNEQ    11$
                    65       00  FB 00067 10$:       CALLS   #0, EDT$$INTER_ERR
                    52   0C  AC  D0 0006A 11$:       MOVL    OBJ_LEN, I                              0798
                             1E  11 0006E            BRB     15$
                    51       84  9A 00070 12$:       MOVZBL  (OP)+, OC                               0800
        0A 00000000G0041     00  E1 00073            BBC     #0, EDT$$B_CHAR_INFO[OC], 13$           0802
                    50       83  9A 0007C            MOVZBL  (SP)+, R0                               0806
                    6640   6641  91 0007F            CMPB    CI_TABLE[OC], CI_TABLE[R0]
                             06  11 00084            BRB     14$
                    50       83  9A 00086 13$:       MOVZBL  (SP)+, R0                               0812
                    50       51  D1 00089            CMPL    OC, R0
                             5D  12 0008C 14$:       BNEQ    29$
                    DF       52  F4 0008E 15$:       SOBGEQ  I, 12$                                  0798
                             54  11 00091 16$:       BRB     28$                                     0725
                    53   08  AC  D0 00093 17$:       MOVL    OBJECT, OP                              0834
                    54   04  AC  D0 00097            MOVL    SOURCE, SP                              0835
                             04  13 0009B            BEQL    18$                                     0836
                             53  D5 0009D            TSTL    OP
                             03  12 0009F            BNEQ    19$
                    65       00  FB 000A1 18$:       CALLS   #0, EDT$$INTER_ERR
                    52   0C  AC  D0 000A4 19$:       MOVL    OBJ_LEN, I                              0838
                             0D  11 000A8            BRB     21$
                    51       84  9A 000AA 20$:       MOVZBL  (SP)+, R1                               0841
                    50       83  9A 000AD            MOVZBL  (OP)+, R0
                    6640   6641  91 000BC            CMPB    CI_TABLE[R1], CI_TABLE[R0]
                             34  12 000B5            BNEQ    29$
                    F0       52  F4 000B7 21$:       SOBGEQ  I, 20$                                  0838
                             2B  11 000BA 22$:       BRB     28$                                     0725
                    53   08  AC  D0 000BC 23$:       MOVL    OBJECT, OP                              0854
                    54   04  AC  D0 000C0            MOVL    SOURCE, SP                              0855
                             04  13 000C4            BEQL    24$                                     0856
                             53  D5 000C6            TSTL    OP
                             03  12 000C8            BNEQ    25$
                    65       00  FB 000CA 24$:       CALLS   #0, EDT$$INTER_ERR
                    52   0C  AC  D0 000CD 25$:       MOVL    OBJ_LEN, I                              0858
                             11  11 000D1            BRB     27$
                    51       84  9A 000D3 26$:       MOVZBL  (SP)+, R1                               0861
                    50       83  9A 000D6            MOVZBL  (OP)+, R0
        0100 C640   0100 C641  91 000D9            CMPB    DI_TABLE[R1], DI_TABLE[R0]
                             07  12 000E2            BNEQ    29$
                    EC       52  F4 000E4 27$:       SOBGEQ  I, 26$                                  0858
                    50       01  D0 000E7 28$:       MOVL    #1, R0                                  0872
                             04  000EA            RET
                    50       D4 000EB 29$:          CLRL    R0                                       0873
                             04  000ED            RET
```

; Routine Size: 238 bytes,   Routine Base: _EDT$CODE + 0300

```
;    304         0874  1
;    305         0875  1  !<BLF/PAGE>
```

D 16

EDT$UEXACASE   EDT$UEXACASE - match strings of equal length   16-Sep-1984 01:58:24   VAX-11 Bliss-32 V4.0-742   Page 10
V04-000   EDT$$STR_CMP - compare two strings of equal le 14-Sep-1984 12:25:12   DISK$VMSMASTER:[EDT.SRC]UEXACASE.BLI;1 (4)

```
;  307    0876  1 END                                    ! of module EDT$UEXACASE
;  308    0877  1
;  309    0878  0 ELUDOM
```

```
;                               PSECT SUMMARY
;
;            Name                    Bytes                        Attributes
;
;  _EDT$CODE                         1006  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       1        0       40      00:00.2
;  _$255$DUA28:[EDT.SRC]PSECTS.L32;1     2       1       50        7      00:00.1
;  _$255$DUA28:[EDT.SRC]TRANSLATE.L32;1  6       3       50       57      00:00.1
;  _$255$DUA28:[EDT.SRC]SUPPORTS.L32;1   2       2      100        5      00:00.1
```

```
;                       COMMAND QUALIFIERS
;
;        BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS$:UEXACASE/OBJ=OBJ$:UEXACASE MSRC$:UEXACASE.BLI/UPDATE=(ENH$:UEXA
;        CASE)
;
; Size:         238 code + 768 data bytes
; Run Time:          00:25.2
; Elapsed Time:      00:30.3
; Lines/CPU Min:     2091
; Lexemes/CPU-Min: 14894
; Memory Used:   185 pages
; Compilation Complete
```

SCRUPDATM
LIS

STARTEDT
LIS

TISAVE
LIS

SETCOMMAN
LIS

TIAUTO
LIS

TIDELETE
LIS

UFBUFFER
LIS

TILINE
LIS

TRACEMAC
LIS

SCRZAPSIN
LIS

UEXACASE
LIS

SCRUPDATN
LIS

TITYPAHD
LIS

TSTKEYDEF
LIS

TICLRAUD
LIS

SUPPORTS
LIS

TICHAR
LIS

TIECHO
LIS

TRAROUNAM
LIS

TRANSLATE
LIS

UFSTRING
LIS

SYSVAX
LIS

SCRWID
LIS

TRACELIT
LIS

UCVTCASE
LIS