


```

UU      UU      CCCCCCCC  VV      VV      TTTTTTTTTT  CCCCCCCC  AAAAAA  SSSSSSSS  EEEEEEEEEE
UU      UU      CCCCCCCC  VV      VV      TTTTTTTTTT  CCCCCCCC  AAAAAA  SSSSSSSS  EEEEEEEEEE
UU      UU      CC        VV      VV      TT          CC        AA      AA  SS        FF
UU      UU      CC        VV      VV      TT          CC        AA      AA  SS        FF
UU      UU      CC        VV      VV      TT          CC        AA      AA  SS        FF
UU      UU      CC        VV      VV      TT          CC        AA      AA  SS        FF
UU      UU      CC        VV      VV      TT          CC        AA      AA  SS        FF
UU      UU      CC        VV      VV      TT          CC        AA      AA  SS        FF
UU      UU      CC        VV      VV      TT          CC        AA      AA  SS        FF
UU      UU      CC        VV      VV      TT          CC        AA      AA  SS        FF
UU      UU      CC        VV      VV      TT          CC        AA      AA  SS        FF
UUUUUUUUUU  CCCCCCCC  VV      VV      TT          CCCCCCCC  AAAAAA  SSSSSSSS  EEEEEEEEEE
UUUUUUUUUU  CCCCCCCC  VV      VV      TT          CCCCCCCC  AAAAAA  SSSSSSSS  EEEEEEEEEE

```

```

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
LLLLLLLLLLL  IIIIII  SSSSSSSS
LLLLLLLLLLL  IIIIII  SSSSSSSS

```

ED
VO
86
95
A4
B3
41
4E
41
49
FE

OE
1D
2C
3E
4A
59
48
57
86
95
A4
B3
C2
D1
CO
CF
FE

OE
1D
2C
3E
4A
59
68

```

1 0001 0 %TITLE 'EDTSUCVTCASE - convert to upper case'
2 0002 0 MODULE EDTSUCVTCASE ( ! Convert to upper case
3 0003 0 IDENT = 'V04-000' ! File: UCVTCASE.BLI Edit: JBS1006
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 *
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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 Convert a character string to upper case.
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$SCNV_UPC from module UTIL.
46 0046 1 1-002 - Regularized headers. JBS 25-Feb-1981
47 0047 1 1-003 - Fix module name. JBS 11-Mar-1981
48 0048 1 1-004 - Support DEC Multinational character set. JBS 16-Jul-1982
49 0049 1 1-005 - Do the conversion by subtracting 32 rather than looking
50 0050 1 in a table, to make this module fit better on the PDP-11.
51 0051 1 JBS 23-Aug-1982
52 0052 1 1-006 - Add VT220 support conditional. JBS 11-Feb-1983
53 0053 1 --
54 0054 1

```

ED
VO
77
86
95
A4
B3
41
4E
61
69
FE

```
: 56 0055 1 %SBTTL 'Declarations'  
: 57 0056 1 |  
: 58 0057 1 | TABLE OF CONTENTS:  
: 59 0058 1 |  
: 60 0059 1 |  
: 61 0060 1 REQUIRE 'EDT$SRC:TRAROUNAM';  
: 62 0499 1 |  
: 63 0500 1 FORWARD ROUTINE  
: 64 0501 1 EDT$CNV_UPC : NOVALUE;  
: 65 0502 1 |  
: 66 0503 1 |  
: 67 0504 1 | INCLUDE FILES:  
: 68 0505 1 |  
: 69 0506 1 |  
: 70 0507 1 REQUIRE 'EDT$SRC:EDTREQ';  
: 71 0642 1 |  
: 72 0643 1 LIBRARY 'EDT$SRC:TRANSLATE';  
: 73 0644 1 |  
: 74 0645 1 LIBRARY 'EDT$SRC: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 | NONE
```

```
0663 1 %SBTTL 'EDT$$CNV_UPC - convert to upper case'
0664 1
0665 1 GLOBAL ROUTINE EDT$$CNV_UPC (
0666 1     STRING,
0667 1     LEN
0668 1 ) : NOVALUE =
0669 1
0670 1 ++
0671 1 FUNCTIONAL DESCRIPTION:
0672 1
0673 1     This routine converts a character string to upper case in place.
0674 1     Because source and destination overlay we cannot use CH$TRANSLATE.
0675 1
0676 1 FORMAL PARAMETERS:
0677 1
0678 1     STRING           Pointer to the string.
0679 1
0680 1     LEN              Length of the string.
0681 1
0682 1 IMPLICIT INPUTS:
0683 1
0684 1     NONE
0685 1
0686 1 IMPLICIT OUTPUTS:
0687 1
0688 1     NONE
0689 1
0690 1 ROUTINE VALUE:
0691 1
0692 1     NONE
0693 1
0694 1 SIDE EFFECTS:
0695 1
0696 1     NONE
0697 1
0698 1 --
0699 1
0700 2 BEGIN
0701 2
0702 2 L %IF SUPPORT_VT220
0703 2 %THEN
0704 2
0705 2     EXTERNAL
0706 2         EDT$$B_CHAR_INFO : BLOCKVECTOR [256, 1, BYTE]; ! Information about characters
0707 2
0708 2 %FI
0709 2
0710 2 LOCAL
0711 2     C;
0712 2     P;
0713 2
0714 2 P = .STRING;
0715 2
0716 2 INCR I FROM 1 TO .LEN DO
0717 2     BEGIN
0718 2         C = CH$RCHAR (.P);
0719 2     END
```

```

: 150      L 0720 3 %IF SUPPORT_VT220
: 151      0721 %THEN
: 152      0722
: 153      0723           IF .EDT$$B_CHAR_INFO [C, 0, 0, 1, 0] THEN C = .C - %C'a' + %C'A';
: 154      0724
: 155      U 0725 %ELSE
: 156      0726
: 157      U 0727           IF ((.C GEQ %C'a') AND (.C LEQ %C'z')) THEN C = .C - %C'a' + %C'z';
: 158      0728
: 159      0729 %FI
: 160      0730
: 161      0731           CH$WCHAR_A (.C, P);
: 162      0732           END;
: 163      0733
: 164      0734           END;

```

! of routine EDT\$\$CNV_UPC

.TITLE EDTSUCVTCASE EDTSUCVTCASE - convert to upper ca
se

.IDENT \V04-000\

.EXTRN EDT\$\$B_CHAR_INFO

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

.ENTRY EDT\$\$CNV_UPC, Save R2

MOVL STRING, P

CLRL I

BRB 3\$

MOVZBL (P), C

BBC #0, EDT\$\$B_CHAR_INFO[C], 2\$

SUBL2 #32, C

MOVB C, (P)+

AOBLEQ LEN, I, 1\$

RET

: 0665
: 0714
: 0716
: 0718
: 0723
: 0731
: 0716
: 0734

: Routine Size: 34 bytes, Routine Base: _EDT\$CODE + 0000

```

: 165      0735 1
: 166      0736 1 !<BLF/PAGE>

```

EDTSUCVTCASE
V04-000

EDTSUCVTCASE - convert to upper case
EDTSSCNV_UPC - convert to upper case

F 15
16-Sep-1984 01:57:55
14-Sep-1984 12:25:11

VAX-11 BLISS-32 V4.0-742
DISK\$VMMASTER:[EDT.SRC]UCVTCASE.BLI;1 (4)

Page 5

: 168
: 169
: 170

0737 1 END
0738 1
0739 0 ELUDOM

! of module EDTSUCVTCASE

PSECT SUMMARY

Name Bytes Attributes
:_EDT\$CODE 34 NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

Library Statistics

File	Total	Symbols Loaded	Percent	Pages Mapped	Processing Time
-\$255\$DUA28:[EDT.SRC]EDT.L32;1	377	0	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	0	0	57	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\$:UCVTCASE/OBJ=OBJ\$:UCVTCASE MSRC\$:UCVTCASE.BLI/UPDATE=(ENH\$:UCVT CASE)

: Size: 34 code + 0 data bytes
: Run Time: 00:10.1
: Elapsed Time: 00:13.0
: Lines/CPU Min: 4381
: Lexemes/CPU-Min: 12266
: Memory Used: 60 pages
: Compilation Complete

