


```

LL      IIIIII  BBBB8888  AAAAAA  BBBB8888  UU      UU  PPPPPPPP  CCCCCCCC  AAAAAA
LL      IIIIII  BBBB8888  AAAAAA  BBBB8888  UU      UU  PPPPPPPP  CCCCCCCC  AAAAAA
LL      II      BB      BB  AA      AA  BB      BB  UU      UU  PP      PP  CC      CC  AA      AA
LL      II      BB      BB  AA      AA  BB      BB  UU      UU  PP      PP  CC      CC  AA      AA
LL      II      BB      BB  AA      AA  BB      BB  UU      UU  PP      PP  CC      CC  AA      AA
LL      II      BB      BB  AA      AA  BB      BB  UU      UU  PP      PP  CC      CC  AA      AA
LL      II      BBBB8888  AA      AA  BBBB8888  UU      UU  PPPPPPPP  CC      CC  AA      AA
LL      II      BBBB8888  AA      AA  BBBB8888  UU      UU  PPPPPPPP  CC      CC  AA      AA
LL      II      BB      BB  AAAAAAAAAA  BB      BB  UU      UU  PP      CC      CC  AAAAAAAAAA
LL      II      BB      BB  AAAAAAAAAA  BB      BB  UU      UU  PP      CC      CC  AAAAAAAAAA
LL      II      BB      BB  AA      AA  BB      BB  UU      UU  PP      CC      CC  AA      AA
LL      II      BB      BB  AA      AA  BB      BB  UU      UU  PP      CC      CC  AA      AA
LLLLLLLL  IIIIII  BBBB8888  AA      AA  BBBB8888  UUUUUUUUU  PP      CCCCCCCC  AA      AA
LLLLLLLL  IIIIII  BBBB8888  AA      AA  BBBB8888  UUUUUUUUU  PP      CCCCCCCC  AA      AA

```

```

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
LLLLLLLL  IIIIII  SSSSSSSS
LLLLLLLL  IIIIII  SSSSSSSS

```

(2) 48
(3) 77

DECLARATIONS
LIB\$AB_UPCASE - String Upcase Translate Table

```
0000 1 .TITLE LIB$AB_UPCASE - String Upcase Translate Table
0000 2 .IDENT /1-0017 ; File: LIBABUPCA.MAR Edit: SBL1001
0000 3
0000 4 :
0000 5 :*****
0000 6 :*
0000 7 :* COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
0000 8 :* DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.
0000 9 :* ALL RIGHTS RESERVED.
0000 10 :*
0000 11 :* THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED
0000 12 :* ONLY IN ACCORDANCE WITH THE TERMS OF SUCH LICENSE AND WITH THE
0000 13 :* INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR ANY OTHER
0000 14 :* COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY
0000 15 :* OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY
0000 16 :* TRANSFERRED.
0000 17 :*
0000 18 :* THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE
0000 19 :* AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT
0000 20 :* CORPORATION.
0000 21 :*
0000 22 :* DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS
0000 23 :* SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0000 24 :*
0000 25 :*
0000 26 :*****
0000 27 :
0000 28 :
0000 29 :++
0000 30 : FACILITY: General Utility Library
0000 31 :
0000 32 : ABSTRACT:
0000 33 :
0000 34 : This module contains LIB$AB_UPCASE, a translate table which can
0000 35 : be used as the argument of [IB$MOVTC (or a MOVTC instruction) to
0000 36 : translate ASCII lower case letters ('a' through 'z') to their
0000 37 : upper case equivalents.
0000 38 :
0000 39 : ENVIRONMENT: No executable code.
0000 40 :
0000 41 : AUTHOR: Steven B. Lionel, CREATION DATE: 25-September-1981
0000 42 :
0000 43 : MODIFIED BY:
0000 44 :
0000 45 : 1-001 - Original. SBL 25-Sep-1981
0000 46 :--
```

```
0000 48      .SBTTL  DECLARATIONS
0000 49      :
0000 50      : LIBRARY MACRO CALLS:
0000 51      :
0000 52      :     NONE
0000 53      :
0000 54      : EXTERNAL DECLARATIONS:
0000 55      :
0000 56      :     .DSABL  GBL           ; Force all external symbols to be declared
0000 57      :     NONE
0000 58      :
0000 59      : MACROS:
0000 60      :
0000 61      :     NONE
0000 62      :
0000 63      : EQUATED SYMBOLS:
0000 64      :
0000 65      :     NONE
0000 66      :
0000 67      : OWN STORAGE:
0000 68      :
0000 69      :     NONE
0000 70      :
0000 71      : PSECT DECLARATIONS:
0000 72      :
00000000 73      :     .PSECT _LIB$CODE PIC, USR, CON, REL, LCL, SHR, -
0000 74      :     EXE, RD, NOWRT, LONG
0000 75
```

```
0000 77 .SBTTL LIB$AB_UPCASE - String Upcase Translate Table
0000 78 :++
0000 79 : FUNCTIONAL DESCRIPTION:
0000 80 :
0000 81 : LIB$AB_UPCASE is a translate table, suitable for use with
0000 82 : a MOVTC instruction, which specified translation of
0000 83 : lower case ASCII characters to their upper case equivalent.
0000 84 :
0000 85 : Only the characters 'a' through 'z' are translated, all
0000 86 : other characters translate to themselves.
0000 87 :
0000 88 :--
0000 89
0000 90 LIB$AB_UPCASE::
0000 91
00000000 0000 92 I=0
0000 93 .REPEAT <^A/a/-0>
0000 94 .BYTE I
0000 95 I=I+1
00 0000 96 .ENDR
0061 97 .REPEAT 26
0061 98 .BYTE I-<^A/a/-^A/A/>
41 0061 99 I=I+1
007B 100 .ENDR
007B 101 .REPEAT <255-^A/z/>
007B 102 .BYTE I
78 007B 103 I=I+1
0100 104 .ENDR
0100 105
0100 106
0100 107 .END ; End of module LIB$AB_UPCASE
```

LIB\$AB_UPCASE
Symbol table

- String Upcase Translate Table

K 6

15-SEP-1984 23:46:04
6-SEP-1984 11:03:02

VAX/VMS Macro V04-00
[LIBRTL.SRC]LIBABUPCA.MAR;1

Page 4
(3)

LIB\$AB_UPCASE 00000000 RG 01

! Psect synopsis !

PSECT name	Allocation	PSECT No.	Attributes
ABS	00000000 (0.)	00 (0.)	NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
_LIB\$CODE	00000100 (256.)	01 (1.)	PIC USR CON REL LCL SHR EXE RD NOWRT NOVEC LONG

! Performance indicators !

Phase	Page faults	CPU Time	Elapsed Time
Initialization	29	00:00:00.04	00:00:01.01
Command processing	132	00:00:00.33	00:00:02.57
Pass 1	98	00:00:01.10	00:00:04.13
Symbol table sort	0	00:00:00.00	00:00:00.00
Pass 2	33	00:00:00.35	00:00:01.51
Symbol table output	1	00:00:00.00	00:00:00.00
Psect synopsis output	3	00:00:00.02	00:00:00.33
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	298	00:00:01.85	00:00:09.57

The working set limit was 900 pages.
15252 bytes (30 pages) of virtual memory were used to buffer the intermediate code.
There were 10 pages of symbol table space allocated to hold 2 non-local and 0 local symbols.
107 source lines were read in Pass 1, producing 8 object records in Pass 2.
0 pages of virtual memory were used to define 0 macros.

! Macro library statistics !

Macro library name	Macros defined
_\$255\$DUA28:[SYSLIB]STARLET.MLB;2	0

0 GETS were required to define 0 macros.

There were no errors, warnings or information messages.

MACRO/ENABLE=SUPPRESSION/DISABLE=(GLOBAL,TRACEBACK)/LIS=LIS\$:LIBABUPCA/OBJ=OBJ\$:LIBABUPCA MSRC\$:LIBABUPCA/UPDATE=(ENH\$:LIBABUPCA)

RTLMACB32 REQ	STRMACROS REQ	RTLOOBBG REQ	RTLPSECT REQ	STRLNK REQ	RTLMACMAR MAR	LIBASCEBC LIS	LIBASTINP LIS	LIBBINTRE LIS	LIBCHAR LIS
					LIBDEF FOR	LIBANASTR LIS	LIBASNMBX LIS	LIBBBCCI LIS	
					LIBABUPCA LIS	LIBADDP LIS			
					SIGDEF FOR		LIBASCTIM LIS		
							LIBATTACH LIS		
					LIBTABMAC MAR	LIBA2EREV LIS	LIBBBSST LIS	LIBCALLG LIS	LIBCLICAL LIS
						LIBADDP LIS			