



```

LL          IIIIII  BBBB BBBB  CCCCCCCC  VV      VV  TTTTTTTTTT  000000  UU      UU
LL          IIIIII  BBBB BBBB  CCCCCCCC  VV      VV  TTTTTTTTTT  000000  UU      UU
LL          II      BB      BB  CC      CC  VV      VV  TT      TT  00      00  UU      UU
LL          II      BB      BB  CC      CC  VV      VV  TT      TT  00      00  UU      UU
LL          II      BB      BB  CC      CC  VV      VV  TT      TT  00      00  UU      UU
LL          II      BB      BB  CC      CC  VV      VV  TT      TT  00      00  UU      UU
LL          II      BBBB BBBB  CC      CC  VV      VV  TT      TT  00      00  UU      UU
LL          II      BBBB BBBB  CC      CC  VV      VV  TT      TT  00      00  UU      UU
LL          II      BB      BB  CC      CC  VV      VV  TT      TT  00      00  UU      UU
LL          II      BB      BB  CC      CC  VV      VV  TT      TT  00      00  UU      UU
LL          II      BB      BB  CC      CC  VV      VV  TT      TT  00      00  UU      UU
LL          II      BB      BB  CC      CC  VV      VV  TT      TT  00      00  UU      UU
LLLLLLLLLLL IIIIII  BBBB BBBB  CCCCCCCC  VV      VV  TTTTTTTTTT  000000  UUUUUUUUUU  ....
LLLLLLLLLLL IIIIII  BBBB BBBB  CCCCCCCC  VV      VV  TTTTTTTTTT  000000  UUUUUUUUUU  ....

```

```

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

```

L  
S  
L  
P  
L  
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S  
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C  
A  
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2  
T  
1  
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M  
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O  
T  
M

(2) 49  
(3) 58  
(4) 88

HISTORY ; Detailed Current Edit History  
DECLARATIONS  
LIB\$AB\_CVT\_C\_U



```
0000 1 .TITLE LIBSAB_CVT_0_U Overpunch to Unsigned Translation Table
0000 2 .IDENT /1-0037 ; File: LIBCVTOU.MAR
0000 3
0000 4
0000 5 *****
0000 6
0000 7 *
0000 8 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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0000 24 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0000 25 *
0000 26 *****
0000 27
0000 28 FACILITY: LIBRARY SUPPORT
0000 29 ++
0000 30 ABSTRACT:
0000 31 This module contains the translation table for overpunch to unsigned
0000 32 conversion using the MOVTC instruction.
0000 33
0000 34
0000 35 --
0000 36
0000 37 VERSION: 1
0000 38
0000 39 HISTORY:
0000 40
0000 41 AUTHOR:
0000 42 Marty Jack, 08-Apr-1979
0000 43
0000 44 MODIFIED BY:
0000 45
0000 46
0000 47
```

LIB\$AB\_CVT\_0\_U  
1-003

Overpunch to Unsigned Translation Table 15-SEP-1984 23:51:29 VAX/VMS Macro V04-00 Page 2  
HISTORY ; Detailed Current Edit History 6-SEP-1984 11:04:51 [LIBRTL.SRC]LIBCVTOU.MAR;1 (2)

0000 49 .SBTTL HISTORY ; Detailed Current Edit History  
0000 50  
0000 51  
0000 52 ; Edit History for Version 1 of LIBCVTOU  
0000 53 :  
0000 54 : 1-001 - Original. MLJ 8-Apr-1979  
0000 55 : 1-002 - Made LIBCVTOU out of rev. 1 of COBCVTOU. RKR 21-Aug-1979  
0000 56 : 1-003 - Cosmetic changes. RKR 21-OCT-79

```
0000 58 .SBTTL DECLARATIONS
0000 59
0000 60 :
0000 61 : INCLUDE FILES:
0000 62 :
0000 63 :
0000 64 :
0000 65 : EXTERNAL SYMBOLS:
0000 66 : NONE
0000 67 :
0000 68 :
0000 69 :
0000 70 : MACROS:
0000 71 : NONE
0000 72 :
0000 73 :
0000 74 :
0000 75 : PSECT DECLARATIONS:
00000000 76 : .PSECT _LIB$CODE PIC, SHR, LONG, EXE, NOWRT
0000 77 :
0000 78 :
0000 79 : EQUATED SYMBOLS:
0000 80 : NONE
0000 81 :
0000 82 :
0000 83 :
0000 84 : OWN STORAGE:
0000 85 : NONE
0000 86 :
```

```
0000 88 .SBTTL LIB$AB_CVT_0_U
0000 89
0000 90 :++
0000 91 : FUNCTIONAL DESCRIPTION:
0000 92 :
0000 93 : This is the overpunch to unsigned translation table.
0000 94 : It maps every character to itself except that it maps
0000 95 : the overpunch sign characters to the corresponding
0000 96 : digit.
0000 97 :
0000 98 :--
0000 99
0000 100 LIB$AB_CVT_0_U::
07 06 05 04 03 02 01 00 0000 101 .BYTE ^X00,^X01,^X02,^X03,^X04,^X05,^X06,^X07
0F 0E 0D 0C 0B 0A 09 08 0008 102 .BYTE ^X08,^X09,^X0A,^X0B,^X0C,^X0D,^X0E,^X0F
17 16 15 14 13 12 11 10 0010 103 .BYTE ^X10,^X11,^X12,^X13,^X14,^X15,^X16,^X17
1F 1E 1D 1C 1B 1A 19 18 0018 104 .BYTE ^X18,^X19,^X1A,^X1B,^X1C,^X1D,^X1E,^X1F
27 26 25 24 23 22 21 20 0020 105 .BYTE ^X20,^X21,^X22,^X23,^X24,^X25,^X26,^X27
2F 2E 2D 2C 2B 2A 29 28 0028 106 .BYTE ^X28,^X29,^X2A,^X2B,^X2C,^X2D,^X2E,^X2F
37 36 35 34 33 32 31 30 0030 107 .BYTE ^X30,^X31,^X32,^X33,^X34,^X35,^X36,^X37
30 3E 3D 3C 3B 3A 39 38 0038 108 .BYTE ^X38,^X39,^X30,^X3B,^X3C,^X3D,^X3E,^X30
37 36 35 34 33 32 31 40 0040 109 .BYTE ^X40,^X31,^X32,^X33,^X34,^X35,^X36,^X37
36 35 34 33 32 31 39 38 0048 110 .BYTE ^X38,^X39,^X31,^X32,^X33,^X34,^X35,^X36
57 56 55 54 53 52 51 50 0050 111 .BYTE ^X37,^X38,^X39,^X53,^X54,^X55,^X56,^X57
5F 5E 5D 5C 5B 5A 59 58 0058 112 .BYTE ^X58,^X59,^X5A,^X30,^X5C,^X30,^X5E,^X5F
67 66 65 64 63 62 61 60 0060 113 .BYTE ^X60,^X61,^X62,^X63,^X64,^X65,^X66,^X67
6F 6E 6D 6C 6B 6A 69 68 0068 114 .BYTE ^X68,^X69,^X6A,^X6B,^X6C,^X6D,^X6E,^X6F
77 76 75 74 73 72 71 70 0070 115 .BYTE ^X70,^X71,^X72,^X73,^X74,^X75,^X76,^X77
7F 7E 7D 7C 7B 7A 79 78 0078 116 .BYTE ^X78,^X79,^X7A,^X30,^X7C,^X30,^X7E,^X7F
87 86 85 84 83 82 81 80 0080 117 .BYTE ^X80,^X81,^X82,^X83,^X84,^X85,^X86,^X87
8F 8E 8D 8C 8B 8A 89 88 0088 118 .BYTE ^X88,^X89,^X8A,^X8B,^X8C,^X8D,^X8E,^X8F
97 96 95 94 93 92 91 90 0090 119 .BYTE ^X90,^X91,^X92,^X93,^X94,^X95,^X96,^X97
9F 9E 9D 9C 9B 9A 99 98 0098 120 .BYTE ^X98,^X99,^X9A,^X9B,^X9C,^X9D,^X9E,^X9F
A7 A6 A5 A4 A3 A2 A1 A0 00A0 121 .BYTE ^XA0,^XA1,^XA2,^XA3,^XA4,^XA5,^XA6,^XA7
AF AE AD AC AB AA A9 A8 00A8 122 .BYTE ^XA8,^XA9,^XAA,^XAB,^XAC,^XAD,^XAE,^XAF
B7 B6 B5 B4 B3 B2 B1 B0 00B0 123 .BYTE ^XB0,^XB1,^XB2,^XB3,^XB4,^XB5,^XB6,^XB7
BF BE BD BC BB BA B9 B8 00B8 124 .BYTE ^XB8,^XB9,^XBA,^XBB,^XBC,^XBD,^XBE,^XBF
C7 C6 C5 C4 C3 C2 C1 C0 00C0 125 .BYTE ^XC0,^XC1,^XC2,^XC3,^XC4,^XC5,^XC6,^XC7
CF CE CD CC CB CA C9 C8 00C8 126 .BYTE ^XC8,^XC9,^XCA,^XCB,^XCC,^XCD,^XCE,^XCF
D7 D6 D5 D4 D3 D2 D1 D0 00D0 127 .BYTE ^XD0,^XD1,^XD2,^XD3,^XD4,^XD5,^XD6,^XD7
DF DE DD DC DB DA D9 D8 00D8 128 .BYTE ^XD8,^XD9,^XDA,^XDB,^XDC,^XDD,^XDE,^XDF
E7 E6 E5 E4 E3 E2 E1 E0 00E0 129 .BYTE ^XE0,^XE1,^XE2,^XE3,^XE4,^XE5,^XE6,^XE7
EF EE ED EC EB EA E9 E8 00E8 130 .BYTE ^XE8,^XE9,^XEA,^XEB,^XEC,^XED,^XEE,^XEF
F7 F6 F5 F4 F3 F2 F1 F0 00F0 131 .BYTE ^XF0,^XF1,^XF2,^XF3,^XF4,^XF5,^XF6,^XF7
FF FE FD FC FB FA F9 F8 00F8 132 .BYTE ^XF8,^XF9,^XFA,^XFB,^XFC,^XFD,^XFE,^XFF
0100 133 ;
0100 134 .END
```

LIB\$AB\_CVT\_O\_U 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	31	00:00:00.05	00:00:02.69
Command processing	113	00:00:00.29	00:00:02.75
Pass 1	66	00:00:00.45	00:00:02.73
Symbol table sort	0	00:00:00.00	00:00:00.00
Pass 2	38	00:00:00.21	00:00:03.97
Symbol table output	2	00:00:00.01	00:00:00.00
Psect synopsis output	2	00:00:00.01	00:00:00.01
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	254	00:00:01.02	00:00:12.16

The working set limit was 900 pages.  
 2639 bytes (6 pages) of virtual memory were used to buffer the intermediate code.  
 There were 10 pages of symbol table space allocated to hold 1 non-local and 0 local symbols.  
 134 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\$:LIBCVTOU/OBJ=OBJ\$:LIBCVTOU MSRC\$:LIBCVTOU/UPDATE=(ENH\$:LIBCVTOU)



