


```

LL          IIIIII  BBBB8888  CCCCCCCC  VV      VV  TTTTTTTTTT  TTTTTTTTTT  PPPPPPPP  ZZZZZZZZZZ
LL          IIIIII  BBBB8888  CCCCCCCC  VV      VV  TTTTTTTTTT  TTTTTTTTTT  PPPPPPPP  ZZZZZZZZZZ
LL          II      BB      BB  CC      CC  TT      TT  PP      PP  ZZ
LL          II      BB      BB  CC      CC  TT      TT  PP      PP  ZZ
LL          II      BB      BB  CC      CC  TT      TT  PP      PP  ZZ
LL          II      BBBB8888  CC      CC  TT      TT  PPPPPPPP  ZZ
LL          II      BBBB8888  CC      CC  TT      TT  PPPPPPPP  ZZ
LL          II      BB      BB  CC      CC  TT      TT  PP      PP  ZZ
LL          II      BB      BB  CC      CC  TT      TT  PP      PP  ZZ
LL          II      BB      BB  CC      CC  TT      TT  PP      PP  ZZ
LL          II      BB      BB  CC      CC  TT      TT  PP      PP  ZZ
LL          II      BB      BB  CC      CC  TT      TT  PP      PP  ZZ
LLLLLLLLLL IIIIII  BBBB8888  CCCCCCCC  VV      VV  TT      TT  PP      PP  ZZ
LLLLLLLLLL IIIIII  BBBB8888  CCCCCCCC  VV      VV  TT      TT  PP      PP  ZZ

```

```

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

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(4) 88

HISTORY : Detailed Current Edit History
DECLARATIONS
LIBSAB_CVTTP_Z

```
0000 1 .TITLE LIBSAB_CVTTP_Z Zoned to Packed Translation Table
0000 2 .IDENT /1-0027 ; File: LIBCVTTPZ.MAR EDIT: RKR1002
0000 3
0000 4
0000 5 *****
0000 6 *
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0000 23 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0000 24 *
0000 25 *
0000 26 *****
0000 27
0000 28
0000 29 FACILITY: LIBRARY SUPPORT
0000 30 ++
0000 31 ABSTRACT:
0000 32 This module contains the translation table for zoned to packed
0000 33 conversion using the CVTTP instruction.
0000 34
0000 35
0000 36 --
0000 37
0000 38 VERSION: 1
0000 39
0000 40 HISTORY:
0000 41
0000 42 AUTHOR:
0000 43 R. Reichert, 19-Feb-1980
0000 44
0000 45 MODIFIED BY:
0000 46
0000 47
0000 48
```

0000 .SBTTL HISTORY ; Detailed Current Edit History
0000
0000
0000 S3 ; Edit History for Version 1 of LIBCVTTPZ
0000 S4 :
0000 S5 : 1-001 - Original. RKR 19-Feb-1980
0000 S6 : 1-002 - Modified copyright date to reflect 1981 release. RKR 6-JAN-81

```

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:
0000 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$AB_CVTTP_Z
0000 89
0000 90      :++
0000 91      : FUNCTIONAL DESCRIPTION:
0000 92      :
0000 93      :     This is the zoned to packed translation table.
0000 94      :
0000 95      :     It is used in conjunction with a CVTTP machine instruction to
0000 96      :     convert zoned numeric data items to packed decimal data type. Given
0000 97      :     the binary representation for the highest addressed byte (that is, the
0000 98      :     least significant digit and sign) of a data item in the zoned numeric
0000 99      :     data type, the table gives the hex representation of the
0000 100     :     highest addressed byte in the packed decimal form of the data item.
0000 101     :--
0000 102
0000 103     LIB$AB_CVTTP_Z::
0000 104
00 00 00 00 00 00 00 00 0000 105     .BYTE  ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : Hex
00 00 00 00 00 00 00 00 0008 106     .BYTE  ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 00-07
00 00 00 00 00 00 00 00 0010 107     .BYTE  ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 08-0F
00 00 00 00 00 00 00 00 0018 108     .BYTE  ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 10-17
00 00 00 00 00 00 00 00 0020 109     .BYTE  ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 18-1F
00 00 00 00 00 00 00 00 0028 110     .BYTE  ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 20-27
7C 6C 5C 4C 3C 2C 1C 0C 0030 111     .BYTE  ^X0C,^X1C,^X2C,^X3C,^X4C,^X5C,^X6C,^X7C : 28-2F
00 00 00 00 00 00 9C 8C 0038 112     .BYTE  ^X8C,^X9C,^X00,^X00,^X00,^X00,^X00,^X00 : 30-37
00 00 00 00 00 00 00 00 0040 113     .BYTE  ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 38-3F
00 00 00 00 00 00 00 00 0048 114     .BYTE  ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 40-47
00 00 00 00 00 00 00 00 0050 115     .BYTE  ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 48-4F
00 00 00 00 00 00 00 00 0058 116     .BYTE  ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 50-57
00 00 00 00 00 00 00 00 0060 117     .BYTE  ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 58-5F
00 00 00 00 00 00 00 00 0068 118     .BYTE  ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 60-67
7D 6D 5D 4D 3D 2D 1D 0D 0070 119     .BYTE  ^X0D,^X1D,^X2D,^X3D,^X4D,^X5D,^X6D,^X7D : 68-6F
00 00 00 00 00 00 9D 8D 0078 120     .BYTE  ^X8D,^X9D,^X00,^X00,^X00,^X00,^X00,^X00 : 70-77
00 00 00 00 00 00 00 00 0080 121     .BYTE  ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 78-7F
00 00 00 00 00 00 00 00 0088 122     .BYTE  ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 80-87
00 00 00 00 00 00 00 00 0090 123     .BYTE  ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 88-8F
00 00 00 00 00 00 00 00 0098 124     .BYTE  ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 90-97
00 00 00 00 00 00 00 00 00A0 125     .BYTE  ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 98-9F
00 00 00 00 00 00 00 00 00A8 126     .BYTE  ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : A0-A7
00 00 00 00 00 00 00 00 00B0 127     .BYTE  ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : A8-AF
00 00 00 00 00 00 00 00 00B8 128     .BYTE  ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : B0-B7
00 00 00 00 00 00 00 00 00C0 129     .BYTE  ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : B8-BF
00 00 00 00 00 00 00 00 00C8 130     .BYTE  ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : C0-C7
00 00 00 00 00 00 00 00 00D0 131     .BYTE  ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : C8-CF
00 00 00 00 00 00 00 00 00D8 132     .BYTE  ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : D0-D7
00 00 00 00 00 00 00 00 00E0 133     .BYTE  ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : D8-DF
00 00 00 00 00 00 00 00 00E8 134     .BYTE  ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : E0-E7
00 00 00 00 00 00 00 00 00F0 135     .BYTE  ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : E8-EF
00 00 00 00 00 00 00 00 00F8 136     .BYTE  ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : F0-F7
0100 137 :
0100 138     .END

```

LIB\$AB_CVTTP_Z
Symbol table

Zoned to Packed Translation Table ^{B 6}

15-SEP-1984 23:54:11
6-SEP-1984 11:05:07

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

Page 5
(4)

LIB\$AB_CVTTP_Z 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	00:00:00.06	00:00:01.69
Command processing	114	00:00:00.30	00:00:04.27
Pass 1	66	00:00:00.49	00:00:04.00
Symbol table sort	0	00:00:00.00	00:00:00.00
Pass 2	40	00:00:00.21	00:00:01.73
Symbol table output	1	00:00:00.01	00:00:00.01
Psect synopsis output	2	00:00:00.00	00:00:00.11
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	254	00:00:01.08	00:00:11.82

The working set limit was 900 pages.
2671 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.
138 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=LISS:LIBCVTTPZ/OBJ=OBJ\$:LIBCVTTPZ MSRCS:LIBCVTTPZ/UPDATE=(ENHS:LIBCVTTPZ)

