



```

LL      IIIIII  BBBB8888  EEEEEEEEE  222222  AAAAAA  RRRRRRRR  EEEEEEEEE  VV      VV
LL      IIIIII  88888888  EEEEEEEEE  222222  AAAAAA  RRRRRRRR  EEEEEEEEE  VV      VV
LL      II      BB      BB  EE      EE  22      22  AA      AA  RR      RR  EE      EE  VV      VV
LL      II      BB      BB  EE      EE  22      22  AA      AA  RR      RR  EE      EE  VV      VV
LL      II      BB      BB  EE      EE  22      22  AA      AA  RR      RR  EE      EE  VV      VV
LL      II      BB      BB  EE      EE  22      22  AA      AA  RR      RR  EE      EE  VV      VV
LL      II      BB      BB  EE      EE  22      22  AA      AA  RR      RR  EE      EE  VV      VV
LL      II      BB      BB  EE      EE  22      22  AA      AA  RR      RR  EE      EE  VV      VV
LL      II      BB      BB  EE      EE  22      22  AA      AA  RR      RR  EE      EE  VV      VV
LL      II      BB      BB  EE      EE  22      22  AA      AA  RR      RR  EE      EE  VV      VV
LL      II      BB      BB  EE      EE  22      22  AA      AA  RR      RR  EE      EE  VV      VV
LLLLLLLLLLLL  IIIIII  88888888  EEEEEEEEE  2222222222  AA      AA  RR      RR  EEEEEEEEE  VV      VV
LLLLLLLLLLLL  IIIIII  88888888  EEEEEEEEE  2222222222  AA      AA  RR      RR  EEEEEEEEE  VV      VV

```

```

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
LLLLLLLLLLLL  IIIIII  SSSSSSSS
LLLLLLLLLLLL  IIIIII  SSSSSSSS

```

(2) 50  
(3) 59  
(4) 90

HISTORY ; Detailed Current Edit History  
DECLARATIONS  
LIB\$AB\_EBC\_ASC\_REV

```
0000 1 .TITLE LIB$AB_EBC_ASC_REV Reversible EBCDIC to ASCII Trans. Table
0000 2 .IDENT 1-0027 ; File: LIBE2AREV.MAR
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 : FACILITY: GENERAL-PURPOSE UTILITY
0000 30 :++
0000 31 : ABSTRACT:
0000 32 : This module contains the Reversible EBCDIC to ASCII translation
0000 33 : table.
0000 34
0000 35
0000 36 :--
0000 37
0000 38 : VERSION: 1
0000 39
0000 40 : HISTORY:
0000 41
0000 42 : AUTHOR:
0000 43 : Peter D Gilbert, 10-Feb-1981
0000 44
0000 45 : MODIFIED BY:
0000 46
0000 47
0000 48 :
```

LI  
Sy  
LI  
PS  
--  
L  
Ph  
--  
In  
Co  
Pa  
Sy  
Pa  
Sy  
Ps  
Cr  
As  
Th  
28  
Th  
16  
0  
Ma  
--  
\_S  
O  
Th  
MA

LIBSAB\_EBC\_ASC\_REV  
1-002

Reversible EBCDIC to ASCII Trans. Table 15-SEP-1984 23:58:25 VAX/VMS Macro V04-00 Page 2  
HISTORY ; Detailed Current Edit History 6-SEP-1984 11:05:56 [LIBRTL.SRC]LIBE2AREV.MAR;1 (2)

0000 50 .SBTTL HISTORY ; Detailed Current Edit History  
0000 51  
0000 52  
0000 53 ; Edit History for Version 1  
0000 54 :  
0000 55 : 1-001 - Original. PDG 10-Feb-1981  
0000 56 : 1-002 - Change names of module and table to current names.  
0000 57 : RKR 23-DEC-1981.

```
0000 59 .SBTTL DECLARATIONS
0000 60
0000 61 :
0000 62 : INCLUDE FILES:
0000 63 : NONE
0000 64 :
0000 65 :
0000 66 :
0000 67 : EXTERNAL SYMBOLS:
0000 68 : NONE
0000 69 :
0000 70 :
0000 71 :
0000 72 : MACROS:
0000 73 : NONE
0000 74 :
0000 75 :
0000 76 :
0000 77 : PSECT DECLARATIONS:
0000 78 : .PSECT _LIB$CODE PIC, USR, CON, REL, LCL, SHR, EXE, RD, NOWRT
0000 79 :
0000 80 :
0000 81 : EQUATED SYMBOLS:
0000 82 : NONE
0000 83 :
0000 84 :
0000 85 :
0000 86 : OWN STORAGE:
0000 87 : NONE
0000 88 :
```

```

0000 90 .SBTTL LIB$AB_EBC_ASC_REV
0000 91
0000 92 :++
0000 93 : FUNCTIONAL DESCRIPTION:
0000 94 :
0000 95 : This is the Reversible EBCDIC to ASCII translation table based
0000 96 : on ANSI X3.26 - 1970
0000 97 :
0000 98 : All EBCDIC graphics are translated to the identical ASCII
0000 99 : graphic except for:
0000 100 :
0000 101 : EBCDIC graphic ASCII graphic
0000 102 : -----
0000 103 : cents sign [ (left square bracket)
0000 104 : short vertical bar ! (exclamation point)
0000 105 : logical not ^ (circumflex)
0000 106 : ! (exclamation point) ] (right square bracket)
0000 107 :
0000 108 :
0000 109 : Note that this translation table, unlike LIB$AB_EBC_ASC, is a
0000 110 : one-to-one onto mapping. That is, it has a reverse translation,
0000 111 : namely LIB$AB_ASC_EBC_REV.
0000 112 :
0000 113 :--
0000 114 :
0000 115 LIB$AB_EBC_ASC_REV:

```

7F	86	09	9C	03	02	01	00	0000	116	.BYTE	^X00, ^X01, ^X02, ^X03, ^X9C, ^X09, ^X86, ^X7F	: 00-07
0F	0E	0D	0C	0B	8E	8D	97	0008	117	.BYTE	^X97, ^X8D, ^X8E, ^X0B, ^X0C, ^X0D, ^X0E, ^X0F	: 08-0F
87	08	85	9D	13	12	11	10	0010	118	.BYTE	^X10, ^X11, ^X12, ^X13, ^X9D, ^X85, ^X08, ^X87	: 10-17
1F	1E	1D	1C	8F	92	19	18	0018	119	.BYTE	^X18, ^X19, ^X92, ^X8F, ^X1C, ^X1D, ^X1E, ^X1F	: 18-1F
1B	17	0A	84	83	82	81	80	0020	120	.BYTE	^X80, ^X81, ^X82, ^X83, ^X84, ^X0A, ^X17, ^X1B	: 20-27
07	06	05	8C	8B	8A	89	88	0028	121	.BYTE	^X88, ^X89, ^X8A, ^X8B, ^X8C, ^X05, ^X06, ^X07	: 28-2F
04	96	95	94	93	16	91	90	0030	122	.BYTE	^X90, ^X91, ^X16, ^X13, ^X94, ^X95, ^X96, ^X04	: 30-37
1A	9E	15	14	9B	9A	99	98	0038	123	.BYTE	^X98, ^X99, ^X9A, ^X9B, ^X14, ^X15, ^X9E, ^X1A	: 38-3F
A6	A5	A4	A3	A2	A1	A0	20	0040	124	.BYTE	^X20, ^XA0, ^XA1, ^XA2, ^XA3, ^XA4, ^XA5, ^XA6	: 40-47
21	2B	28	3C	2E	5B	A8	A7	0048	125	.BYTE	^XA7, ^XA8, ^X5B, ^X2E, ^X3C, ^X28, ^X2B, ^X21	: 48-4F
AF	AE	AD	AC	AB	AA	A9	26	0050	126	.BYTE	^X26, ^XA9, ^XAA, ^XAB, ^XAC, ^XAD, ^XAE, ^XAF	: 50-57
5E	3B	29	2A	24	5D	B1	B0	0058	127	.BYTE	^XB0, ^XB1, ^X5D, ^X24, ^X2A, ^X29, ^X3B, ^X5E	: 58-5F
B7	B6	B5	B4	B3	B2	2F	2D	0060	128	.BYTE	^X2D, ^X2F, ^XB2, ^XB3, ^XB4, ^XB5, ^XB6, ^XB7	: 60-67
3F	3E	5F	25	2C	7C	B9	B8	0068	129	.BYTE	^XB8, ^XB9, ^X7C, ^X2C, ^X25, ^X5F, ^X3E, ^X3F	: 68-6F
C1	C0	BF	BE	BD	BC	BB	BA	0070	130	.BYTE	^XBA, ^XBB, ^XBC, ^XBD, ^XBE, ^XBF, ^XC0, ^XC1	: 70-77
22	3D	27	40	23	3A	60	C2	0078	131	.BYTE	^XC2, ^X60, ^X3A, ^X23, ^X40, ^X27, ^X3D, ^X22	: 78-7F
67	66	65	64	63	62	61	C3	0080	132	.BYTE	^XC3, ^X61, ^X62, ^X63, ^X64, ^X65, ^X66, ^X67	: 80-87
C9	C8	C7	C6	C5	C4	69	68	0088	133	.BYTE	^X68, ^X69, ^XC4, ^XC5, ^XC6, ^XC7, ^XC8, ^XC9	: 88-8F
70	6F	6E	6D	6C	6B	6A	CA	0090	134	.BYTE	^XCA, ^X6A, ^X6B, ^X6C, ^X6D, ^X6E, ^X6F, ^X70	: 90-97
D0	CF	CE	CD	CC	CB	72	71	0098	135	.BYTE	^X71, ^X72, ^XCB, ^XCC, ^XCD, ^XCE, ^XCF, ^XD0	: 98-9F
78	77	76	75	74	73	7E	D1	00A0	136	.BYTE	^XD1, ^X7E, ^X73, ^X74, ^X75, ^X76, ^X77, ^X78	: A0-A7
D7	D6	D5	D4	D3	D2	7A	79	00A8	137	.BYTE	^X79, ^X7A, ^XD2, ^XD3, ^XD4, ^XD5, ^XD6, ^XD7	: A8-AF
DF	DE	DD	DC	DB	DA	D9	D8	00B0	138	.BYTE	^XD8, ^XD9, ^XDA, ^XDB, ^XDC, ^XDD, ^XDE, ^XDF	: B0-B7
E7	E6	E5	E4	E3	E2	E1	E0	00B8	139	.BYTE	^XE0, ^XE1, ^XE2, ^XE3, ^XE4, ^XE5, ^XE6, ^XE7	: B8-BF
47	46	45	44	43	42	41	7B	00C0	140	.BYTE	^X7B, ^X41, ^X42, ^X43, ^X44, ^X45, ^X46, ^X47	: C0-C7
ED	EC	EB	EA	E9	E8	49	48	00C8	141	.BYTE	^X48, ^X49, ^XE8, ^XE9, ^XEA, ^XEB, ^XEC, ^XED	: C8-CF
50	4F	4E	4D	4C	4B	4A	7D	00D0	142	.BYTE	^X7D, ^X4A, ^X4B, ^X4C, ^X4D, ^X4E, ^X4F, ^X50	: D0-D7
F3	F2	F1	F0	EF	EE	52	51	00D8	143	.BYTE	^X51, ^X52, ^XEE, ^XEF, ^XF0, ^XF1, ^XF2, ^XF3	: D8-DF
58	57	56	55	54	53	9F	5C	00E0	144	.BYTE	^X5C, ^X9F, ^X53, ^X54, ^X55, ^X56, ^X57, ^X58	: E0-E7
F9	F8	F7	F6	F5	F4	5A	59	00E8	145	.BYTE	^X59, ^X5A, ^XF4, ^XF5, ^XF6, ^XF7, ^XF8, ^XF9	: E8-EF
37	36	35	34	33	32	31	30	00F0	146	.BYTE	^X30, ^X31, ^X32, ^X33, ^X34, ^X35, ^X36, ^X37	: F0-F7

LIBSAB\_EBC\_ASC\_REV  
1-002

Reversible EBCDIC to ASCII Trans. Table  
LIBSAB\_EBC\_ASC\_REV

K 1

15-SEP-1984 23:58:25 VAX/VMS Macro V04-00  
6-SEP-1984 11:05:56 [LIBRTL.SRC]LIBE2AREV.MAR;1

Page 5  
(4)

FF FE FD FC FB FA 39 38 00F8 147 .BYTE ^X38,^X39,^XFA,^XFB,^XFC,^XFD,^XFE,^XFF ; F8-FF  
0100 148 ;  
0100 149 .END

L1  
1-



LIB\$AB\_EBC\_ASC\_REV

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 BYTE

-----  
! Performance indicators !  
-----

Phase	Page faults	CPU Time	Elapsed Time
Initialization	32	00:00:00.03	00:00:02.46
Command processing	125	00:00:00.28	00:00:02.66
Pass 1	66	00:00:00.45	00:00:04.45
Symbol table sort	0	00:00:00.01	00:00:00.01
Pass 2	41	00:00:00.20	00:00:01.20
Symbol table output	2	00:00:00.00	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	270	00:00:00.98	00:00:10.79

The working set limit was 900 pages.  
2763 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.  
149 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:LIBE2AREV/OBJ=OBJ\$:LIBE2AREV MSRC\$:LIBE2AREV/UPDATE=(ENH\$:LIBE2AREV)

0206 AH-BT13A-SE  
VAX/VMS V4.0

DIGITAL EQUIPMENT CORPORATION  
CONFIDENTIAL AND PROPRIETARY

The image displays a grid of 100 small, faint terminal window screenshots, arranged in a 10x10 grid. Each window shows a different library (LIB) interface, likely from the Digital Equipment Corporation (DEC) VAX/VMS system. The libraries are arranged in a grid, with some labels clearly visible in the center of each window. The labels include:

- LIBEMODH LIS
- LIBESTEMU LIS
- LIBEMULAT LIS
- LIBBFFS LIS
- LIBFINCUT LIS
- LIBE2AREV LIS
- LIBFAO LIS
- LIBEMODG LIS
- LIBEXTV LIS
- LIBEDIV LIS
- LIBESTABL LIS
- LIBBFFC LIS
- LIBEMODF LIS
- LIBEMUL LIS
- LIBFILSCA LIS
- LIBEXTZU LIS
- LIBBASC LIS
- LIBFAOL LIS

The screenshots are very faint and difficult to read, but they appear to be standard terminal windows with a title bar and various data fields, including what looks like a library name and some status information.