


```

1      0001 0 MODULE CONVLB (
2      0002 0 IDENT = 'V04-000'
3      P 0003 0 %BLISS32[
4      P 0004 0 ADDRESSING_MODE(EXTERNAL=LONG_RELATIVE, NONEXTERNAL=LONG_RELATIVE)
5      0005 0 ]
6      0006 0 ) =
7      0007 1 BEGIN
8      0008 1
9      0009 1 *****
10     0010 1 *
11     0011 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
12     0012 1 * DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.
13     0013 1 * ALL RIGHTS RESERVED.
14     0014 1 *
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19     0019 1 * OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY
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22     0022 1 * THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE
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26     0026 1 * DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS
27     0027 1 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
28     0028 1 *
29     0029 1 *
30     0030 1 *****
31     0031 1
32     0032 1 ++
33     0033 1 FACILITY: DSR (Digital Standard RUNOFF) / DSRPLUS
34     0034 1
35     0035 1 ABSTRACT: Convert a string of upper-case letters into an equivalent binary
36     0036 1 number.
37     0037 1
38     0038 1
39     0039 1 ENVIRONMENT: Transportable
40     0040 1
41     0041 1 AUTHOR: R.W.Friday CREATION DATE: April, 1979
42     0042 1

```


Revision History

:	44	0043	1	%SBTTL 'Revision History'
:	45	0044	1	
:	46	0045	1	MODIFIED BY:
:	47	0046	1	
:	48	0047	1	002 KFA00002 Ken Alden 07-Mar-1983
:	49	0048	1	Global edit of all modules. Updated module names, idents,
:	50	0049	1	copyright dates. Changed require files to BLISS library.
:	51	0050	1	
:	52	0051	1	--

CONVLB
V04-000

Module Level Declarations

G 1
16-Sep-1984 00:11:28
14-Sep-1984 13:05:56

VAX-11 Bliss-32 V4.0-742
[RUNOFF.SRC]CONVLB.BLI;1

Page 3
(3)

```
: 54      0052 1 %SBTTL 'Module Level Declarations'  
: 55      0053 1  
: 56      0054 1 !  
: 57      0055 1
```

DO
VO

.....

Module Level Declarations

```

59 0056 1 GLOBAL ROUTINE CONVLB (STRING_PTR, STRING_LENGTH) =
60 0057 1
61 0058 1 |++
62 0059 1 | FUNCTIONAL DESCRIPTION:
63 0060 1 |
64 0061 1 |     Converts a string of upper case letters into a binary number.
65 0062 1 |
66 0063 1 | FORMAL PARAMETERS:
67 0064 1 |
68 0065 1 |     STRING_PTR is a CH$PTR to the string to be converted.
69 0066 1 |     STRING_LENGTH is the number of characters to be processed.
70 0067 1 |
71 0068 1 | IMPLICIT INPUTS:      None
72 0069 1 |
73 0070 1 | IMPLICIT OUTPUTS:    None
74 0071 1 |
75 0072 1 | ROUTINE VALUE:
76 0073 1 | COMPLETION CODES:    None
77 0074 1 |
78 0075 1 | SIDE EFFECTS: None
79 0076 1 |
80 0077 1 | --
81 0078 1 |
82 0079 2 | BEGIN
83 0080 2 |
84 0081 2 | LOCAL
85 0082 2 |     ptr,
86 0083 2 |     result;
87 0084 2 |
88 0085 2 | ptr = .string_ptr;
89 0086 2 | result = 0;
90 0087 2 |
91 0088 2 | INCR I FROM 1 TO .string_length DO
92 0089 2 |     result = (26*.result) + (CH$RCHAR_A(ptr) - %('a'));
93 0090 2 |
94 0091 2 | RETURN .result;
95 0092 1 | END;

```

!End of CONVLB

.TITLE CONVLB
.IDENT \V04-000\

.PSECT \$CODE\$,NOWRT,2

				001C 00000	.ENTRY CONVLB, Save R2,R3,R4	: 0056
	54	04	AC	D0 00002	MOVL STRING_PTR, PTR	: 0085
			50	D4 00006	CLRL RESULT	: 0086
			53	D4 00008	CLRL I	: 0088
			0C	11 0000A	BRB 2\$: 0089
51	50		1A	C5 0000C 1\$:	MULL3 #26, RESULT, R1	: 0089
	52		84	9A 00010	MOVZBL (PTR)+, R2	: 0089
	50	C0	A241	9E 00013	MOVAB -64(R2)[R1], RESULT	: 0089
EF	53	08	AC	F3 00018 2\$:	AOBLEQ STRING_LENGTH, I, 1\$: 0089
			04	0001D	RET	: 0092

CONVLB
V04-000

Module Level Declarations

I 1
16-Sep-1984 00:11:28
14-Sep-1984 13:05:56

VAX-11 Bliss-32 V4.0-742
[RUNOFF.SRC]CONVLB.BLI;1

Page 5
(4)

; Routine Size: 30 bytes, Routine Base: \$CODE\$ + 0000

```
: 96      0093 1
: 97      0094 1 END
: 98      0095 0 ELUDOM
:                                     !End of module
```

PSECT SUMMARY

```
:
: Name          Bytes          Attributes
: $CODE$       30 NOVEC,NOWRT, RD , EXE,NOSHR, LCL, REL, CON,NOPIE,ALIGN(2)
```

COMMAND QUALIFIERS

; BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LIS\$:CONVLB/OBJ=OBJ\$:CONVLB MSRC\$:CONVLB/UPDATE=(ENH\$:CONVLB)

```
: Size:          30 code + 0 data bytes
: Run Time:      00:01.3
: Elapsed Time: 00:05.8
: Lines/CPU Min: 4253
: Lexemes/CPU-Min: 6179
: Memory Used: 17 pages
: Compilation Complete
```


The image displays a grid of 144 small terminal windows, each showing a different VAX/VMS command or utility. The windows are arranged in a 12x12 grid. Many windows have titles like 'DSPHL LIS', 'DOFLG LIS', 'DOCASE LIS', 'DOCM LIS', 'DOOPTS LIS', 'DSPENT LIS', 'DSRLIB LIS', 'DSPAG LIS', and 'DLE LIS'. The content within the windows includes various system messages, command prompts, and data listings.