```
RRRRRRRRRRR      UUU        UUU NNN       NNN    000000000    FFFFFFFFFFFFFFF    FFFFFFFFFFFFFFF
RRRRRRRRRRR      UUU        UUU NNN       NNN    000000000    FFFFFFFFFFFFFFF    FFFFFFFFFFFFFFF
RRRRRRRRRRR      UUU        UUU NNN       NNN    000000000    FFFFFFFFFFFFFF     FFFFFFFFFFFFFF
RRR       RRR    UUU        UUU NNN       NNN  000       000  FFF                FFF
RRR       RRR    UUU        UUU NNN       NNN  000       000  FFF                FFF
RRR       RRR    UUU        UUU NNN       NNN  000       000  FFF                FFF
RRR       RRR    UUU        UUU NNNNNN    NNN  000       000  FFF                FFF
RRR       RRR    UUU        UUU NNNNNN    NNN  000       000  FFF                FFF
RRR       RRR    UUU        UUU NNNNNN    NNN  000       000  FFF                FFF
RRRRRRRRRRR      UUU        UUU NNN  NNN  NNN  000       000  FFFFFFFFFFF        FFFFFFFFFFF
RRRRRRRRRRR      UUU        UUU NNN  NNN  NNN  000       000  FFFFFFFFFFF        FFFFFFFFFFF
RRRRRRRRRRR      UUU        UUU NNN   NNN NNN  000       000  FFFFFFFFFFF        FFFFFFFFFFF
RRR   RRR        UUU        UUU NNN    NNNNNN  000       000  FFF                FFF
RRR    RRR       UUU        UUU NNN    NNNNNN  000       000  FFF                FFF
RRR     RRR      UUU        UUU NNN    NNNNNN  000       000  FFF                FFF
RRR      RRR     UUU        UUU NNN       NNN  000       000  FFF                FFF
RRR       RRR    UUU        UUU NNN       NNN  000       000  FFF                FFF
RRR       RRR    UUU        UUU NNN       NNN  000       000  FFF                FFF
RRR       RRR    UUUUUUUUUUUUUUU NNN      NNN    000000000    FFF                FFF
RRR       RRR    UUUUUUUUUUUUUUU NNN      NNN    000000000    FFF                FFF
RRR       RRR    UUUUUUUUUUUUUUU NNN      NNN    000000000    FFF                FFF
```

DLI
V04

```
CCCCCCCC    000000   NN      NN  VV      VV  LL        BBBBBBBB
CCCCCCCC    000000   NN      NN  VV      VV  LL        BBBBBBBB
CC          00    00 NN      NN  VV      VV  LL        BB      BB
CC          00    00 NN      NN  VV      VV  LL        BB      BB
CC          00    00 NNNN    NN  VV      VV  LL        BB      BB
CC          00    00 NNNN    NN  VV      VV  LL        BB      BB
CC          00    00 NN  NN  NN  VV      VV  LL        BBBBBBBB
CC          00    00 NN  NN  NN  VV      VV  LL        BBBBBBBB
CC          00    00 NN    NNNN  VV      VV  LL        BB      BB
CC          00    00 NN    NNNN  VV      VV  LL        BB      BB
CC          00    00 NN      NN    VV  VV    LL        BB      BB
CC          00    00 NN      NN    VV  VV    LL        BB      BB
CCCCCCCC    000000   NN      NN      VV      LLLLLLLLL BBBBBBBB
CCCCCCCC    000000   NN      NN      VV      LLLLLLLLL BBBBBBBB


LL          IIIIII      SSSSSSSS
LL          IIIIII      SSSSSSSS
LL            II      SS
LL            II      SS
LL            II      SS
LL            II        SSSSSS
LL            II        SSSSSS
LL            II              SS
LL            II              SS
LL            II              SS
LLLLLLLLL   IIIIII      SSSSSSSS
LLLLLLLLL   IIIIII      SSSSSSSS
```

```
     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.                  *
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    18     0018   1 !*   COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY   *
    19     0019   1 !*   OTHER PERSON.  NO TITLE TO AND OWNERSHIP OF  THE  SOFTWARE IS  HEREBY   *
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    21     0021   1 !*                                                                           *
    22     0022   1 !*   THE INFORMATION IN THIS SOFTWARE IS  SUBJECT TO CHANGE WITHOUT NOTICE   *
    23     0023   1 !*   AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT   *
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    25     0025   1 !*                                                                           *
    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 !
```

```
   44      0043  1 %SBTTL 'Revision History'
   45      0044  1 !
   46      0045  1 ! MODIFIED BY:
   47      0046  1 !
   48      0047  1 !      002      KFA00C02       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 !--
```

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

```
 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) - %C'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$
         51    50      1A  C5 0000C 1$:  MULL3   #26, RESULT, R1              0089
               52      84  9A 00010      MOVZBL  (PTR)+, R2
               50  C0 A241 9E 00013      MOVAB   -64(R2)[R1], RESULT
         EF    53  08  AC  F3 00018 2$:  AOBLEQ  STRING_LENGTH, I, 1$
                       04 0001D          RET                                  0092
```

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

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

:   PSECT SUMMARY

:   Name   Bytes   Attributes

: $CODE$ 30   NOVEC,NOWRT, RD , EXE,NOSHR, LCL, REL, CON,NOPIC,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
```