



```

RRRRRRRR      NN      NN      000000      DDDDDDDD      EEEEEEEEEEE      FFFFFFFFFFF
RRRRRRRR      NN      NN      000000      DDDDDDDD      EEEEEEEEEEE      FFFFFFFFFFF
RR      RR      NN      NN      00      00      DD      DD      EE      FF
RR      RR      NN      NN      00      00      DD      DD      EE      FF
RR      RR      NNNN      NN      00      00      DD      DD      EE      FF
RR      RR      NNNN      NN      00      00      DD      DD      EE      FF
RRRRRRRR      NN      NN      NN      00      00      DD      DD      EEEEEEEEE      FFFFFFFF
RRRRRRRR      NN      NN      NN      00      00      DD      DD      EEEEEEEEE      FFFFFFFF
RR      RR      NN      NNNN      00      00      DD      DD      EE      FF
RR      RR      NN      NNNN      00      00      DD      DD      EE      FF
RR      RR      NN      NN      00      00      DD      DD      EE      FF
RR      RR      NN      NN      00      00      DD      DD      EE      FF
RR      RR      NN      NN      000000      DDDDDDDD      EEEEEEEEEEE      FF
RR      RR      NN      NN      000000      DDDDDDDD      EEEEEEEEEEE      FF

```

```

....
....
....
....

```

```

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

```

0001 0
0002 0
0003 0
0004 0
0005 0
0006 0
0007 0
0008 0
0009 0
0010 0
0011 0
0012 0
0013 0
0014 0
0015 0
0016 0
0017 0
0018 0
0019 0
0020 0
0021 0
0022 0
0023 0
0024 0
0025 0
0026 0
0027 0
0028 0
0029 0
0030 0
0031 0
0032 0
0033 0
0034 0
0035 0
0036 0
0037 0
0038 0
0039 0
0040 0
0041 0
0042 0
0043 0
0044 0
0045 0
0046 0
0047 0
0048 0
0049 0
0050 0
0051 0
0052 0
0053 0
0054 0
0055 0
0056 0
0057 0

Version: 'V04-000'

```
*****  
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*****
```

```
++  
FACILITY: DSR (Digital Standard RUNOFF) / DSRPLUS  
ABSTRACT:  
  Converts BLISS/VARIANT values into useful names.  
ENVIRONMENT: Transportable BLISS  
AUTHOR: Rich Friday  
CREATION DATE: 1978  
MODIFIED BY:  
  016 KAD00016 Ray Marshall 19-Mar-1984  
      Added GERMAN, FRENCH, & ITALIAN.  
  015 KAD00015 Keith Dawson 18-Apr-1983  
      Made the LN01 conditional the default for vanilla DSR --  
      its value is 0 (no variant supplied).  
  014 KAD00014 Keith Dawson 22-Mar-1983  
      Asserted the LN01 conditional when DSRPLUS is asserted.  
  013 KAD00013 Keith Dawson 20-Mar-1983  
      Removed all references to .BIX and .BTC files.  
  012 KAD00012 Keith Dawson 07-Mar-1983  
      Global edit of all modules. Updated module names, idents,  
      copyright dates. Changed require files to BLISS library.
```

0058 0
0059 0
0060 0
0061 0
0062 0
0063 0
0064 0
0065 0
0066 0
0067 0
0068 0
0069 0
0070 0
0071 0
0072 0
0073 0
0074 0
0075 0
0076 0
0077 0
0078 0
0079 0
0080 0
0081 0
0082 0
0083 0
0084 0
0085 0
0086 0
0087 0
0088 0
0089 0
0090 0
0091 0
0092 0
0093 0
0094 1
0095 0
0096 0
0097 0
0098 0
0099 0
0100 0
0101 0
0102 0
0103 0
0104 1
0105 0
0106 0
0107 0
0108 0
0109 0
0110 0
0111 0
0112 0
0113 0
0114 0

```
--  
++  
DEFINITION OF /VARIANT BITS  
The bit assignments are as follows:  
Bit Weight Meaning  
-----  
--      0   If no /VARIANT is supplied (as for vanilla DSR),  
          compile with LN01 support. LN01 support is also  
          implied by the DSRPLUS variant.  
      0   1   CLEAR = Unassigned  
          SET  = Unassigned  
      1   2   CLEAR = Normal compile  
          SET  = Compile for DSRPLUS  
      4-6 16  CLEAR = English (American) version  
          SET  = 16 = German (Austrian)  
              32 = French  
              48 = Italian  
--  
-----  
This variable (LN01) controls whether or not to compile an LN01-flavored  
DSR. It is asserted by default, and also whenever DSRPLUS is asserted.  
Modules utilizing LN01 are:  
    DOOPTS  NOUT  
COMPILETIME  
  ln01 =  
    ( (%VARIANT EQL 0) OR %VARIANT/2 )  
;  
-----  
This variable (DSRPLUS) controls compilation for the DSRPLUS program.  
All modules utilize DSRPLUS.  
COMPILETIME  
  dsrplus =  
    ( %VARIANT/2 )  
;  
-----  
This variable (FLIP) controls compilation of FLIP features of DSRPLUS.  
It assures that FLIP features are compiled only on VMS systems.  
Modules utilizing FLIP are many and various.  
COMPILETIME  
  flip =
```

J 3
15-Sep-1984 23:07:34
15-Sep-1984 22:54:08

VAX-11 Bliss-32 V4.0-742
_S255SDUA28:[RUNOFF.SRC]RNODEF.REQ;1 Page 3 (1)

```
0115 1      ( %VARIANT/2 AND %BLISS(BLISS32) )
0116 0      ;
0117 0
0118 0
0119 0      -----
0120 0      4-6   16   CLEAR = English (American) version
0121 0      SET   =   16 = German (Austrian)
0122 0      32 = French
0123 0      48 = Italian
0124 0      COMPILETIME
0125 0      German = ( %VARIANT/16 AND NOT %VARIANT/32 AND NOT %VARIANT/64 ) ;
0126 0      COMPILETIME
0127 0      French = ( NOT %VARIANT/16 AND %VARIANT/32 AND NOT %VARIANT/64 ) ;
0128 0      COMPILETIME
0129 0      Italian = ( %VARIANT/16 AND %VARIANT/32 AND NOT %VARIANT/64 ) ;
0130 0      -----
                                End of RNODEF.REQ
```

COMMAND QUALIFIERS

BLISS/LIBRARY=SRC\$:RNODEFDSR/LIST=LIS\$: SRC\$:RNODEF.REQ

Run Time: 00:01.0
Elapsed Time: 00:02.6
Lines/CPU Min: 8210
Lexemes/CPU-Min: 8652
Memory Used: 7 pages
Library Precompilation Complete

Grid of terminal windows containing various system commands and their outputs. Visible window titles include:

- RNODEF LIS
- RNODET LIS
- RNOUMS LIS
- RNFERM LIS
- RNOURS LIS
- RSKIPS LIS
- RUNOFF LIS
- RTERM LIS
- RSDERM LIS
- SAURES LIS

Each window displays text-based data, including command prompts, file listings, and system status information.