


```

0001 0 MODULE fndflg ( IDENT = 'V04-000'
P 0002 0   %BLISS32C, ADDRESSING_MODE (EXTERNAL   = LONG_RELATIVE,
0003 0   ) =
0004 0   NONEXTERNAL = LONG_RELATIVE) ]
0005 1 BEGIN
0006 1
0007 1 *****
0008 1 *
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0026 1 *
0027 1 *
0028 1 *****
0029 1
0030 1 ++
0031 1 FACILITY:      DSR (Digital Standard RUNOFF) / DSRPLUS
0032 1
0033 1 ABSTRACT:     Identifies a flag occurring in text.
0034 1
0035 1 ENVIRONMENT:  Transportable
0036 1
0037 1 AUTHOR:      R.W.Friday      CREATION DATE: May, 1978
0038 1
0039 1

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Revision History

:	41	0040	1	%SBTTL 'Revision History'
:	42	0041	1	
:	43	0042	1	MODIFIED BY:
:	44	0043	1	
:	45	0044	1	002 RER00002 Ron Randall 07-Mar-1983
:	46	0045	1	Global edit of all modules. Updated module names, idents,
:	47	0046	1	copyright dates. Changed require files to BLISS library.
:	48	0047	1	
:	49	0048	1	--
:	50	0049	1	

Module Level Declarations

```
: 52      0050 1 %SBTTL 'Module Level Declarations'  
: 53      0051 1  
: 54      0052 1 |  
: 55      0053 1 | TABLE OF CONTENTS:  
: 56      0054 1 |  
: 57      0055 1 | INCLUDE FILES:  
: 58      0056 1 |  
: 59      0057 1 LIBRARY 'NXPOPT:XPORT';      ! XPORT Library  
: 60      0058 1 REQUIRE 'REQ:RNODEF';      ! RUNOFF variant definitions  
: 61      0189 1 |  
: 62      U 0190 1 %IF DSRPLUS %THEN  
: 63      U 0191 1 LIBRARY 'REQ:DPLLIB';      ! DSRPLUS BLISS Library  
: 64      0192 1 %ELSE  
: 65      0193 1 LIBRARY 'REQ:DSRLIB';      ! DSR BLISS Library  
: 66      0194 1 %FI  
: 67      0195 1 |  
: 68      0196 1 |  
: 69      0197 1 | EXTERNAL REFERENCES:  
: 70      0198 1 |  
: 71      0199 1 EXTERNAL  
: 72      0200 1     FLGT : FLAG_TABLE [FLAG_COUNT],  
: 73      0201 1     FLTSO : VECTOR;  
: 74      0202 1 |  
: 75      0203 1 BIND  
: 76      0204 1     SEARCH_ORDER = FLTSO : VECTOR;  
: 77      0205 1
```

```

79 0206 1 GLOBAL ROUTINE FNDFLG (KHAR) =
80 0207 1
81 0208 1 |++
82 0209 1 |FUNCTIONAL DESCRIPTION:
83 0210 1 |
84 0211 1 |   FNDFLG looks at all those enabled flags that can
85 0212 1 | occur in running text (as opposed to those that can appear,
86 0213 1 | say only in column 1, etc), and sees if KHAR matches one
87 0214 1 | of them. If it does, FNDFLG returns the number of the flag
88 0215 1 | table entry involved; if not, a number outside the range of the
89 0216 1 | flag table is returned.
90 0217 1 |
91 0218 1 |   SEARCH_ORDER is a list of those flags that can occur in
92 0219 1 | running text, and specifies the order in which the flags are to
93 0220 1 | be identified. It is independent of the actual layout of the
94 0221 1 | flag table.
95 0222 1 |
96 0223 1 | FORMAL PARAMETERS:
97 0224 1 |
98 0225 1 |   KHAR is the character that is to be associated with a
99 0226 1 | specific flag.
100 0227 1 |
101 0228 1 | IMPLICIT INPUTS:      None
102 0229 1 |
103 0230 1 | IMPLICIT OUTPUTS:    None
104 0231 1 |
105 0232 1 | ROUTINE VALUE:
106 0233 1 | COMPLETION CODES:
107 0234 1 |
108 0235 1 |   Possible completion codes are either an entry from
109 0236 1 | SEARCH_ORDER, or FLAG_COUNT + 1.
110 0237 1 |
111 0238 1 | SIDE EFFECTS:        None
112 0239 1 | --
113 0240 1 |
114 0241 2 | BEGIN
115 0242 2 |
116 0243 2 | INCR I FROM 0 TO .SEARCH_ORDER [-1] - 1 DO
117 0244 3 |   BEGIN
118 0245 3 |
119 0246 3 |   IF .FLGT [.SEARCH_ORDER [.I], FLAG_ENABLED]
120 0247 4 |     AND (.KHAR EQL .FLGT [.SEARCH_ORDER [.I], FLAG_CHARACTER])
121 0248 3 |   THEN
122 0249 3 |     RETURN .SEARCH_ORDER [.I];
123 0250 3 |
124 0251 2 |   END;
125 0252 2 |
126 0253 2 | RETURN FLAG_COUNT + 1;
127 0254 1 | END;

```

!End of FNDFLG

```

.TITLE FNDFLG
.IDENT \V04-000\
.EXTRN FLGT, FLTSO
.PSECT $CODE$,NOWRT,2

```



```

      0000 00000      .ENTRY FNDFLG, Save nothing      : 0206
      51          01 CE 00002      MNEGL #1, I      : 0243
      1B 11 00005      BRB 2$      :
      50 00000000GEF41 D0 00007 1$:      MOVL SEARCH_ORDER[I], R0      : 0246
      0B 00000000GEF40 E9 0000F      BLBC FLGT[R0], 2$      :
      00000000GEF40 04 AC D1 00017      CMPL KHAR, FLGT+72[R0]      : 0247
      DD          51 00000000G EF F2 00022 2$:      BEQL 3$      :
      50          13 D0 0002A      AOBLS SEARCH_ORDER-4, I, 1$      : 0243
      04 0002D 3$:      MOVL #19, R0      : 0253
      RET      : 0254
  
```

: Routine Size: 46 bytes, Routine Base: \$CODE\$ + 0000

```

: 128          0255 1
: 129          0256 1 END      !End of module
: 130          0257 0 ELUDOM
  
```

PSECT SUMMARY

Name	Bytes	Attributes
\$CODE\$	46	NOVEC, NOWRT, RD, EXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2)

Library Statistics

File	Total	Symbols Loaded	Percent	Pages Mapped	Processing Time
_\$255\$DUA28:[SYSLIB]XPORT.L32;1	590	0	0	252	00:00.2
_\$255\$DUA28:[RUNOFF.SRC]DSRLIB.L32;1	1248	4	0	86	00:00.3

COMMAND QUALIFIERS

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

```

: Size:          46 code + 0 data bytes
: Run Time:      00:02.6
: Elapsed Time: 00:10.0
: Lines/CPU Min: 5840
: Lexemes/CPU-Min: 11727
: Memory Used: 26 pages
  
```

FNDFLG
V04-000

Module Level Declarations

F 8
16-Sep-1984 00:29:46

VAX-11 BLISS-32 V4.0-742

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; Compilation Complete

FNOI
V04

ENDWRD LIS	ERROR LIS	FIGURE LIS	FLGSEM LIS	FOOFIL LIS	GCODE LIS
FCTMRA LIS	FENONLY LIS	FJFNFI LIS	FOOBOT LIS	GBLDCL LIS	
FNDPLG LIS	FOOOUT LIS	FORMAT LIS			