```
1  *    GENERAL AUTOMATION, INC.  ALL RIGHTS RESERVED
2  ********************************************************
3  *
4  *    PROGRAM NAME  FLD
5  *
6  *    MODEL NUMBER  BF029
7  *
8  *    PURPOSE       TO LOAD FORTRAN OVERLAYS ON DISK
9  *
10 *    PROGRAMMER    DICK WALLMANN, MODS-MARK ELFIELD
11 *
12 ******************   REVISION LIST   **************
13 *
14 *    RV DATE     SCO   BY  REASON FOR CHANGE
15 *    -- -------- ----- --- ----------------------
16 *
17 *    01 11/16/70       RPH INITIAL RELEASE
18 *
19 ********************************************************
20 ********************************************************
21 *
22 * USE
23 *      F$OVL MUST BE SET TO PHASE SECTOR BASE
24 *      COPY PHASE TO WC
25 *      $LOAD,FLD
26 *      INPUT FROM CC PHASE   IN COLUMNS 1 AND 2
27 *
28 ********************************************************
29 *
30         ABS
31         REF     LIO
32         REF     F$OVL
33         REF     BULKA
34 * MEMRY EQU     /3FFE
35 OVERL  EQU      ~~/7AFF~~ MEMRY-/500
36         ORG     /7A00              EXECUTION POINT = /7
37 X1      RSI  L  LIO                READ CONTROL
38         DC      /1000
39         DC      AR
40         DC      0
41         RSI  L  LIO                WAIT UNTIL DONE
42         DC      /F000
43         LD      AR+1
44         SRA     8                  1ST DIGIT
45         BSI     DT                 TEST DIGIT
46         M       C1                 =10
47         SLT     16
48         STO     PH
49         LD      AR+1       2ND DIGIT
50         AND     C2                 /FF
51         BSI     DT
52         A       PH
53         CMP     C6                 1
54         MDX     *+2
55         MDX     X1                  0
56         MDX     X1                 =0
57         CMP     C7                 30
58         MDX     X1
59         MDX     *+1                1 PHASE 30
```

/FFF
/AFE
F00

```
60          MDX     X1
61          RTR     4,1             XR1=PHASE-
62          LD   LI TBL
63          M       C3              320
64          SLT     16
65          STO  L  OVERL-2         NO. OF WORDS
66          LD   L  F$OVL       BASE SECTOR
67    X2    A    LI TBL-1
68          MDX  1  -1
69          MDX     X2              SIZE SUM
70          STO  L  OVERL-1         STARTING SECTOR
71          BSI  I  BULKA
72          DC      LS
73    X3    LD      LS
74          BSC  L  X3,Z
75          CALL    MON         MONITOR ENTRY
76    C1    DC      10
77    C2    DC      /FF
78    C3    DC      320
79    C4    DC      /80
80    C5    DC      9
81    C6    DC      1
82    C7    DC      30
83    PH    DC      0
84    DT    DC      *-*             DIGIT TEST
85          S       C4              MAKE BINARY
86          BSC  L  X1,+Z
87          CMP     C5              9
88          MDX     X1              REREAD IF ERROR
89          MDX     *
90          BSC  I  DT              EXIT
91    AR    DC      1
92          DC      0               INPUT VALUE
93    *     PHASE SIZES
94    TBL   DC      0               0
95          DC      0               1
96          DC      3               2
97          DC      2               3
98          DC      3               4
99          DC      4               5
100         DC      3               6
101         DC      2               7
102         DC      3               8
103         DC      4               9
104         DC      3               10
105         DC      3               11
106         DC      3               12
107         DC      3               13
108         DC      4               14
109         DC      4               15
110         DC      4               16
111         DC      4               17
112         DC      4               18
113         DC      0               19
114         DC      4               20
115         DC      3               21
116         DC      3               22
117         DC      2               23
118         DC      3               24
119         DC      3               25
```

```
120             DC      4               26
121             DC      3               27
122             DC      2               28
123     *       DISK LIST
124     LS      DC      0
125             DC      0
126             BSS     4
127             DC      0
128             DC      /3000
129             DC      OVERL-2
130             END     X1
```