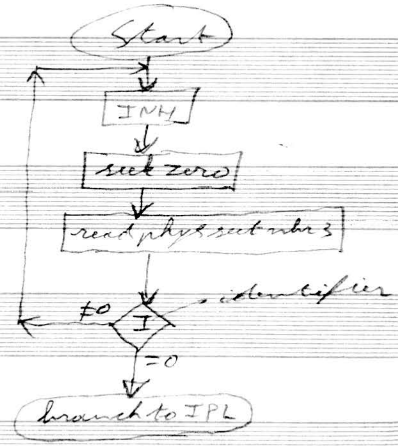
Disc Boot
1/9/72

Disc Boot
1/3 1F2

```
ASG      /E0,TY10
ASG /E0,CR05
RDS
ASM      /S
DATE     /  /     TIME 00H-34M-09S-
```

```
                                 IDENT     DKBOOT
                         S       EQU       1
0000  208F               INH     INH
0002  88C0                       ML        7,IOROUT          TAKE DEVICE ADDRESS
0004  0000    F->10032
0006  273F                       ANK       A7,/3F         ADDR OF DISK UNIT
0008  911C                       ADR       A1,A7             SET SEEK ZERO
000A  921C                       ADR       A2,A7             SET READ SECTOR INSTRUCTION
000C  270F                       ANK       A7,/F
000E  3F42                       SLL       A7,2
0010  1778                       ADK       A7,/78            /78 = /80 - 4 WORDS (of IOROUT)
0012  883D                       MSR       6,A7              MULTX + I/O ROUTINE SET
0014  0503                       LDK       A5,3 -> seek zero
0016  041A                       LDK       A4,/1A         BOOT1
                         *
0018  8F1C                       ABR       A7                SEEK ZERO
001A  050C               BOOT1   LDK       A5,/C
001C  0420                       LDK       A4,/20         BOOT2
                         *
001E  8F1C                       ABR       A7                READ SECTOR 1
0020  8340               BOOT2   LD        A3,CW2            COMPUTE START ADDRESS
0022  0000    F->1003C
                         *
0024  9B20                       SUK,L     A3,/198 -> A3 = addr of 1st word read
0026  0198                                  -> identifier of sector containing IPL is = 0
                         *
0028  812C                       LDR*      A1,A3
002A  5C2C                       RB(4)     INH               SEEK ERROR ,LOOP
002C  1304                       ADK       A3,4           A3 = START ADDRESS
002E  8F0C                       ABR       A3             BRANCH TO IPL
0030  0000                       DATA      0
0032  45C0               IOROUT  CIO       A5,S,0            TO ROUTINE TO BE TRANSFERRED
0034  4DC0                       SST       A5,0              ABOVE MULTIPLEX CONTRL WORDS
0036  5C04                       RB(4)     *-2
0038  8F10                       ABR       A4                RETURN TO CALLING PROGRAM
003A  4E66               CW1     DATA      /4E66          MULTIPLEX CONTRLO WORDS
003C  3E00               CW2     DATA      /3E00
003E  0002                       DATA      /0002             DEVICE ADDRESS
                                 END       INH
```

10032 for PTR Bootstrap



```
                SYMBOL TABLE

S       0001  A   INH     0000  R   IOROUT  0032  R   BOOT1   001A  R
BOOT2   0020  R   CW2     003C  R   CW1     003A  R

                ASS.ERR.    00000
```