

```

294 IF CA=5 THEN POKE 997,OP+28:GOTO 1000
299 PRINT "NO": GOTO 100
300 N=VAL(C$): REM NOW, FOR NUMERICAL OPERANDS
305 IF CA=8 GOTO 340
306 REM AT 340 DO BRANCHES
310 IF N>255 GOTO 330
312 POKE 998,N:BY=2
314 IF CA=2 OR CA=7 THEN POKE 997,OP:GOTO 1000
316 IF CA=1 OR CA=3 OR CA=4 OR CA=5 THEN POKE
    997,OP+4:GOTO 1000
318 REM CONTINUE ON HERE!
330 HI=INT(N/256):POKE 999,HI:POKE 998,N-256*HI:
    BY=3
332 IF CA=2 OR CA=7 THEN POKE 997,OP+8:GOTO 1000
334 IF CA=1 OR CA=3 OR CA=4 OR CA=5 THEN POKE
    997,OP+12:GOTO 1000
336 IF CA=6 OR CA=9 THEN POKE 997,OP: GOTO 1000
339 PRINT "NO": GOTO 100
340 N=N-AD-2:IF N<-128 OR N>127 THEN PRINT "CAN'T
    BRANCH":N:GOTO 100
342 IF N<0 THEN N=N+256:REM HANDLE RELATIVE ADDRESSING
    & NEGATIVE NUMBERS HERE
344 POKE 998,N:BY=2:POKE 997,OP:GOTO 1000
1000 PRINT AD:;FOR I=997 TO 996+BY:PRINT PEEK(I):;
    NEXT I
1005 REM DISPLAY WHAT WAS RESULTING MACHINE LANGUAGE
1010 AD=AD+BY:REM INCREMENT ADDRESS
1020 FOR I=997 TO 996+BY:PRINT # 1,PEEK(I):NEXT I
1025 REM WRITE TO TAPE
1030 T=TI:POKE 59411,53:REM TURN ON TAPE MOTOR
1040 IF (TI-T)<2 GOTO 1040:REM    FOR (1/30) SECOND
1050 POKE 59411,61: REM TURN MOTOR OFF
1060 GOTO 100
2000 PRINT #1,999:CLOSE 1:END

```

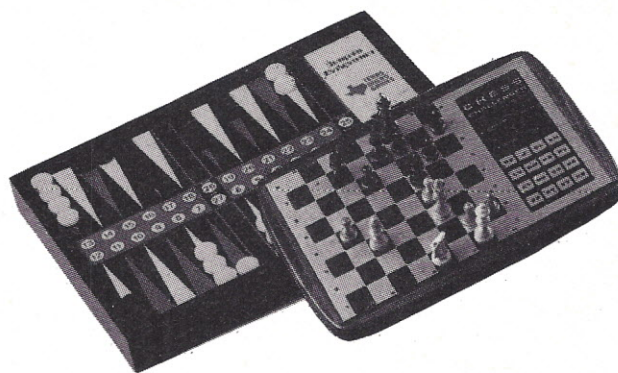
Loader Program Listing

```

1 REM LOADER COPYRIGHT 1978 MARK ZIMMERMANN
10 PRINT "FILE";;INPUT N$:OPEN 1,1,0,N$:
    INPUT #1,B:PRINT "FROM";B:A=B
20 INPUT #1,C:IF C=999 GOTO 50
30 POKE A,C:A=A+1:GOTO 20
50 PRINT "TO";A-1:CLOSE 1

```

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