

```
10 REM Mandelbrot Set
20 REM By R.A.Waddilove
30 MODE 0:INK 13,0:ORIGIN 474,200
40 FOR i=-2 TO 0.7 STEP 2.7/160
50 FOR j=-1.4 TO 1.4 STEP 2.8/200
60 n%= -1:x=0:y=0
70 x2=x*x:y2=y*y:y=2*x*y+j:x=x2-y2+i:n%=
n%+1:IF n%<48 AND x2+y2<4 GOTO 70
80 PLOT i*237.04,j*142.857,1+n%\4
90 NEXT:NEXT
100 SAVE "screen",b,&C000,&4000
```