```
10 MODE 2:DIM x1(10),y1(10),i1(10),I2(10):
INK 0,21:INK 1,0BORDER 21
20 INPUT"Enter No of Dimensions
(2-10)";n:CLS:IF (n>10 OR n<2) THEN
GOTO 20
30 p=PI/n:i=-1:FOR j=1 TO n STEP 2:I
=I-1:c=i*p:x1(j)=COS(c):y1(j)=SIN(c):
NEXT j
40 i=n:FOR j=2 TO n STEP 2:i=i-1:c=
i*p:x1(j)=COS(c):y1(j)=SIN(c):NEXT j
50 f=0:FOR j=1 TO n:f=f+y1(j):NEXT
j:xo=270:FOR j=1 TO n:IF x1(j)<0 THEN
xo=xo+x1(j)
60 i1(j)=0NEXT j:f=320/f:xo=xo-20/f:
yo=50:FOR i=1 TO 2 n-1:FOR j=1 TO n
70 i2(j)=i1(j):NEXT j:FOR j=1 TO n:IF
i1(j)=1 THEN 100 ELSE i2(j)=1:x=0:y=0
80 FOR k=1 TO n:x=x+i1(k)*x1(k):y=y
+i1 (k)*y1(k):NEXT k:PLOT X*f+(xo),
y*f+(yo):x=0:y=0
90 FOR k=1 TO n:x=x+i2(k)*x1(k):y=
y+i2(k)*y1(k):NEXT k:DRAW x*f+(xo),
y*f+(yo):i2(j)=0
100 NEXT j:j=1:WHILE i1(j)<>0:i1(j)=
0:j=j+1:WEND:i1(j)=1:NEXT i:WHILE
INKEY$="":WEND:IF INKEY(67)<>0
THEN CLS:GOTO 2* ELSE END
```