

```
1: ()
2: Prgm
3: @Renders a Sierpinski Triangle on the Graph Screen - statline
4: Local c,i,newpnt,currpnt,r
5: ClrDraw
6: DispG
7: misc\statline("msg:Starting Sierpinski Triangle renderer...")
8:
9: [[-3.86075949367,-1.57894736842][3.86075949367,-1.57894736842][0,1.7]]→c
10: approx({0,0})→currpnt
11: approx({0,0})→newpnt
12:
13: PtOn c[1,1],c[1,2]
14: PtOn c[2,1],c[2,2]
15: PtOn c[3,1],c[3,2]
16:
17: misc\statline("busy")
18: For i,1,100
19:   rand(3)→r
20:   (currpnt+{c[r,1],c[r,2]})/2→newpnt
21:   PtOn newpnt[1],newpnt[2]
22:   newpnt→currpnt
23:   misc\statline("msg:Iteration "&string(i))
24:   misc\apdreset()
25: EndFor
26:
27: misc\statline("idle")
28: EndPrgm
```