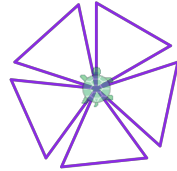


4. Nesting

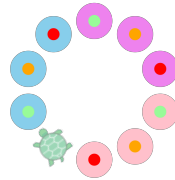
Violet

```
pen blueviolet
for x in [1..5]
  rt 72
  for y in [1..3]
    fd 50
    rt 120
```



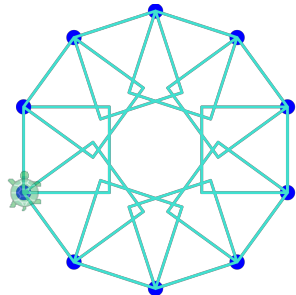
Combinations

```
for outside in [skyblue, violet, pink]
  for inside in [palegreen, orange, red]
    dot outside, 21
    dot inside, 7
    fd 25
    rt 36
```



Decorated Nest

```
pen turquoise
for y in [1..10]
  dot blue
  for x in [1..4]
    fd 50
    rt 90
  lt 36
  bk 50
```



Catalog

```
speed 100
rt 90
for color in [red, gold, green, blue]
  jump 40, -160
  for sides in [3..6]
    pen path
    for x in [1..sides]
      fd 100 / sides
      lt 360 / sides
    fill color
    fd 40
```

