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## Recursive Drawing

Yesterday, you had to draw a spiral shape with a turtle. Your function probably looked something like this:

Could this have been done recursively?

Is there a really simple version?

If  $\text{size} < 0$ , there's nothing to draw!

What's a simple version of this problem?

A spiral is just a line followed by a 90 degree turn followed by a smaller spiral!

```
def square_spiral(t, size):  
    while size > 0:  
        t.fd(size)  
        t.rt(90)  
        size -= 5
```

Can you write a recursive version of square spiral?  
(answer on next slide)

**Aim: How can we make recursive drawings?**

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