

# Drawing from Scratch

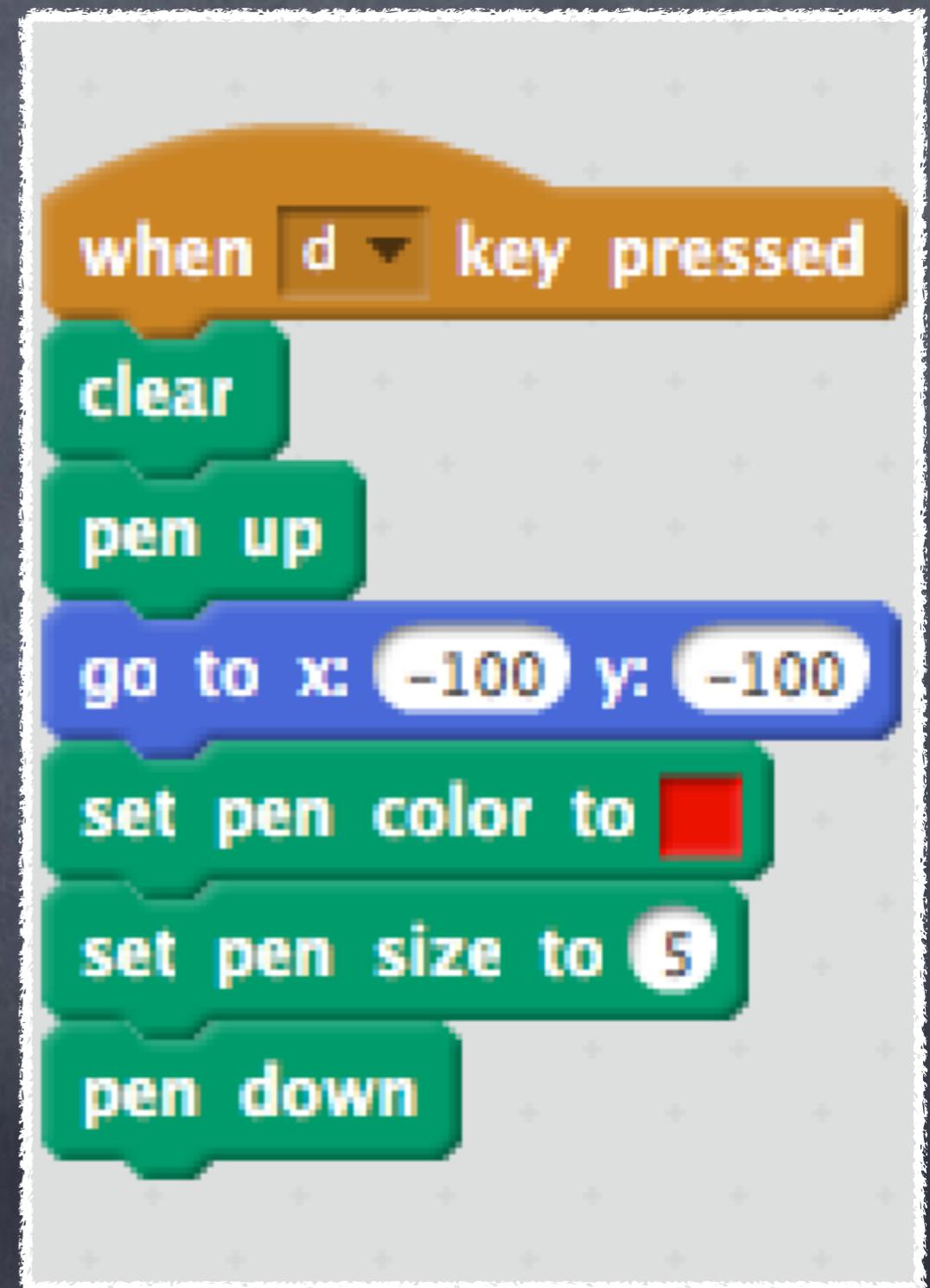
It's not all about gaming

Get the set  
up right

Clean the board

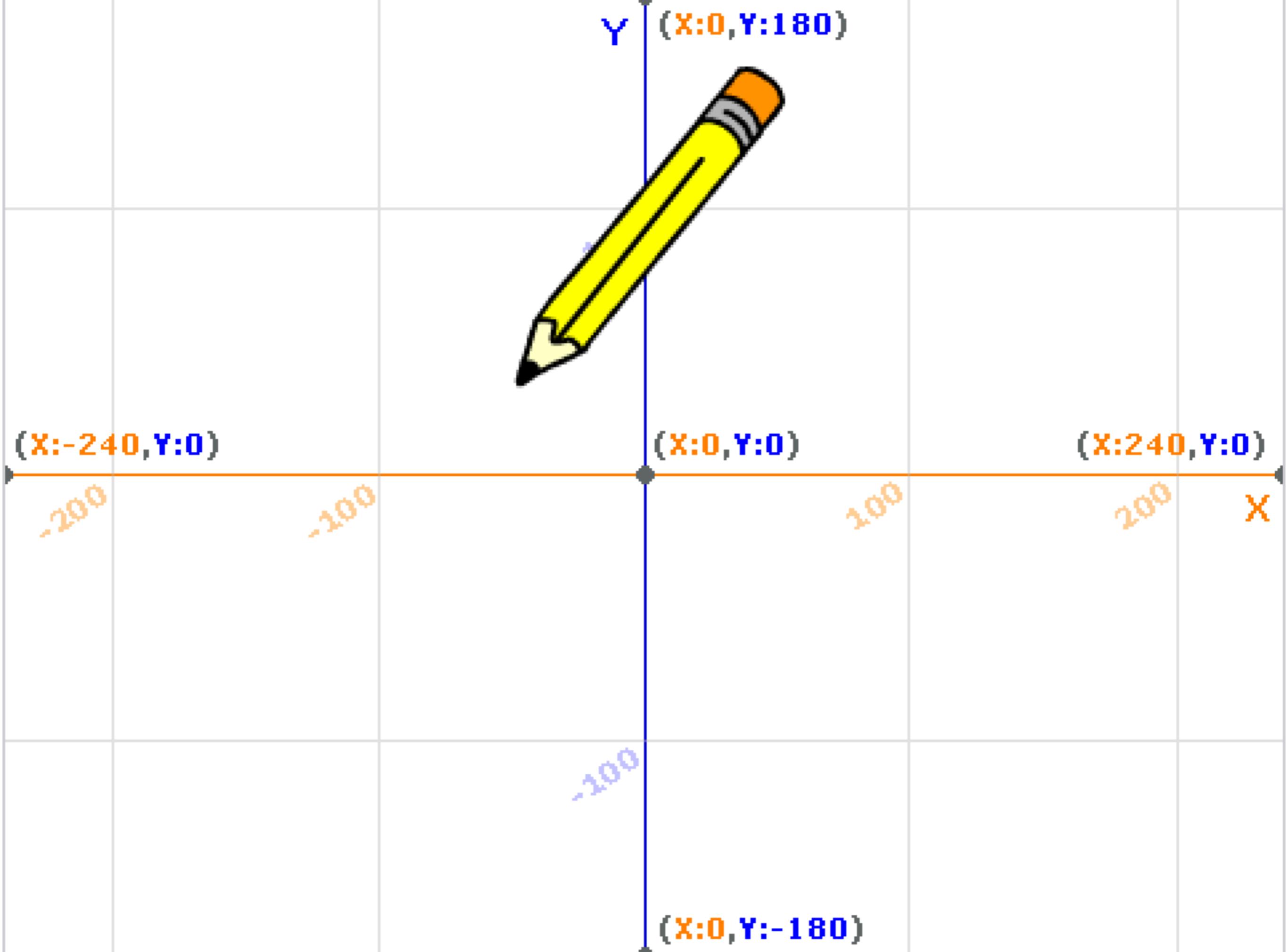
Get in position

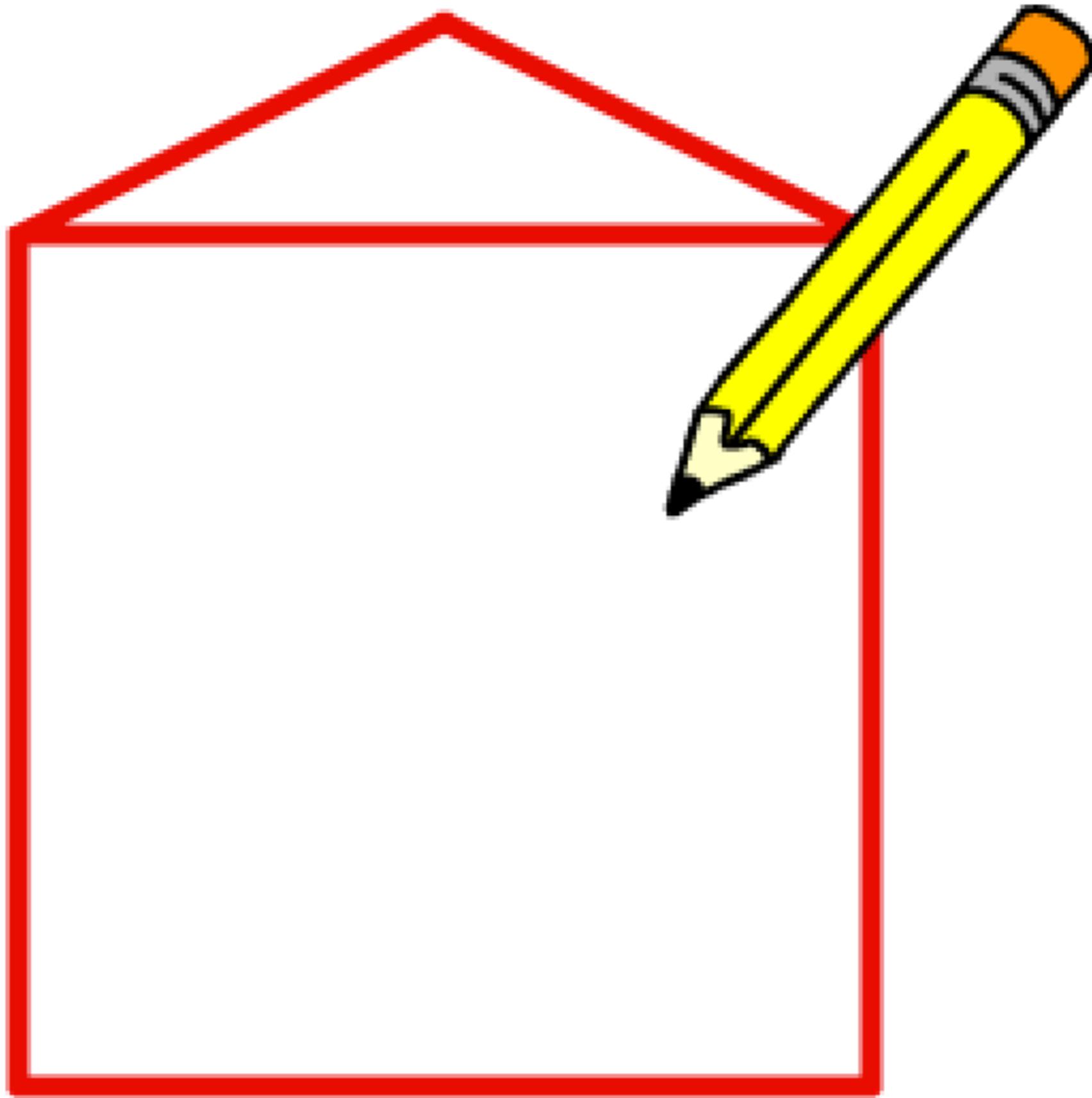
Get your pen ready  
Go!



Move around  
Let's figure out what  
this will draw...

```
pen down
change y by 200
change x by 200
change y by -200
change x by -200
go to x: -100 y: 100
go to x: 0 y: 150
go to x: 100 y: 100
```

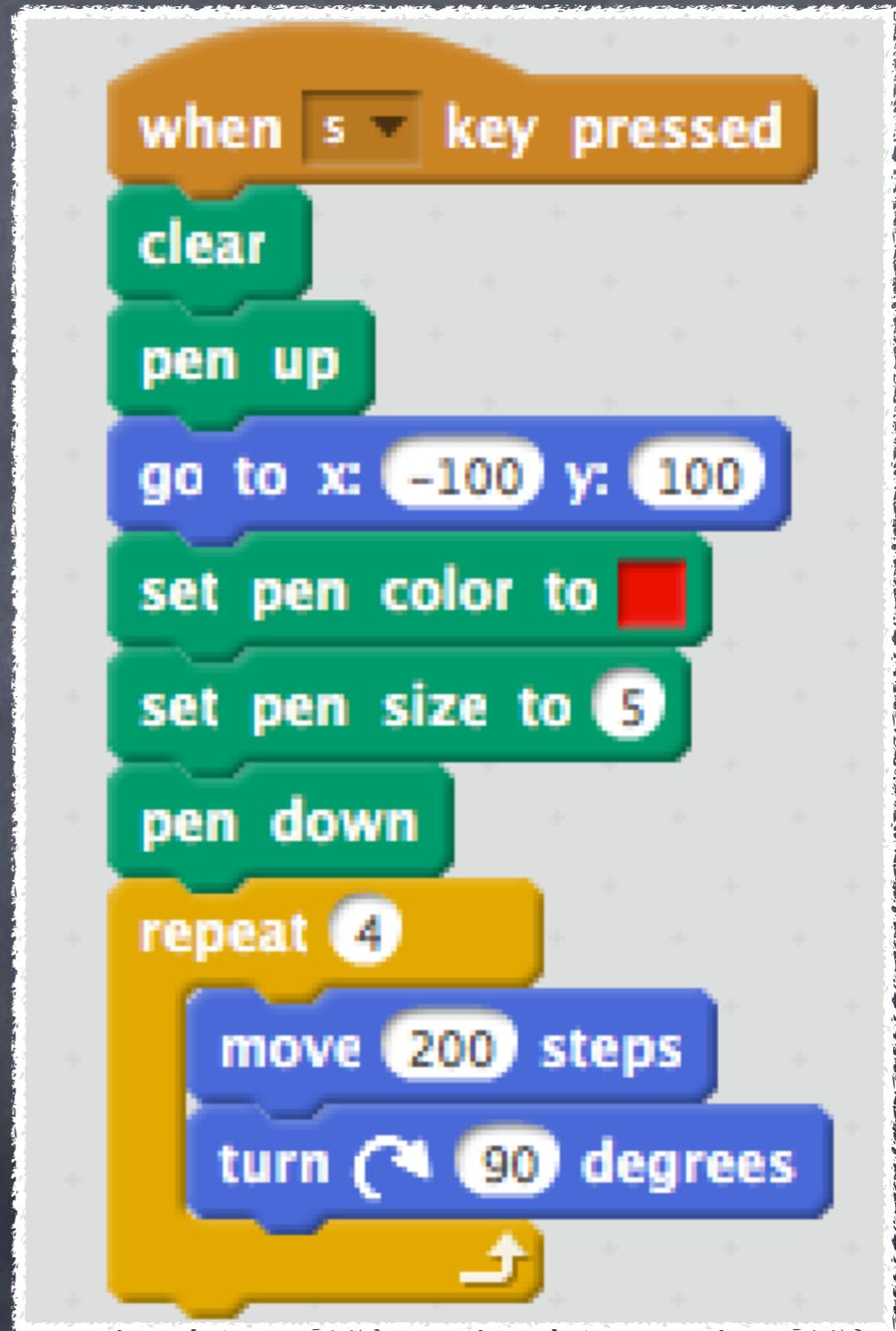


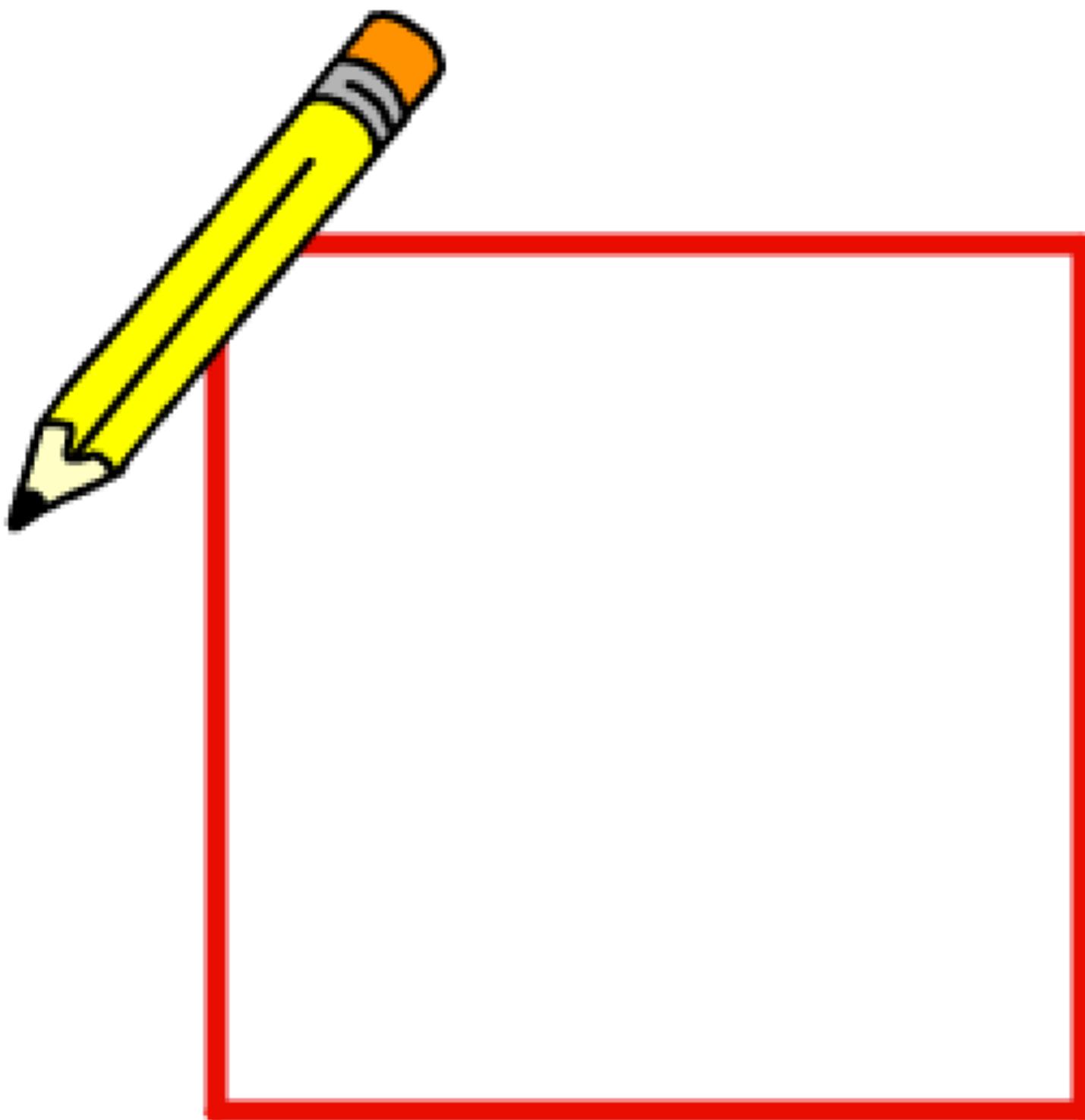


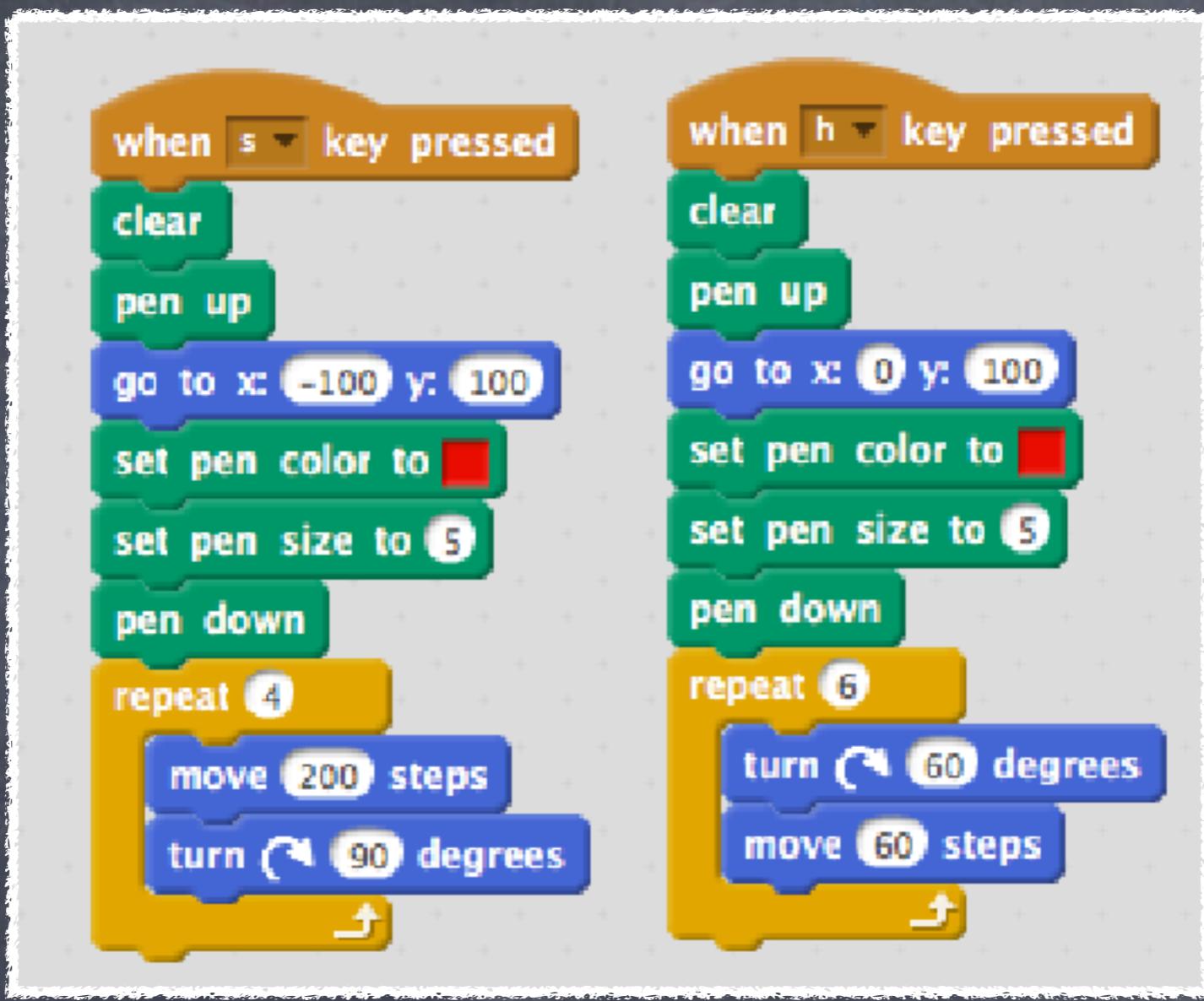
# Iteration

Stop repeating  
yourself!

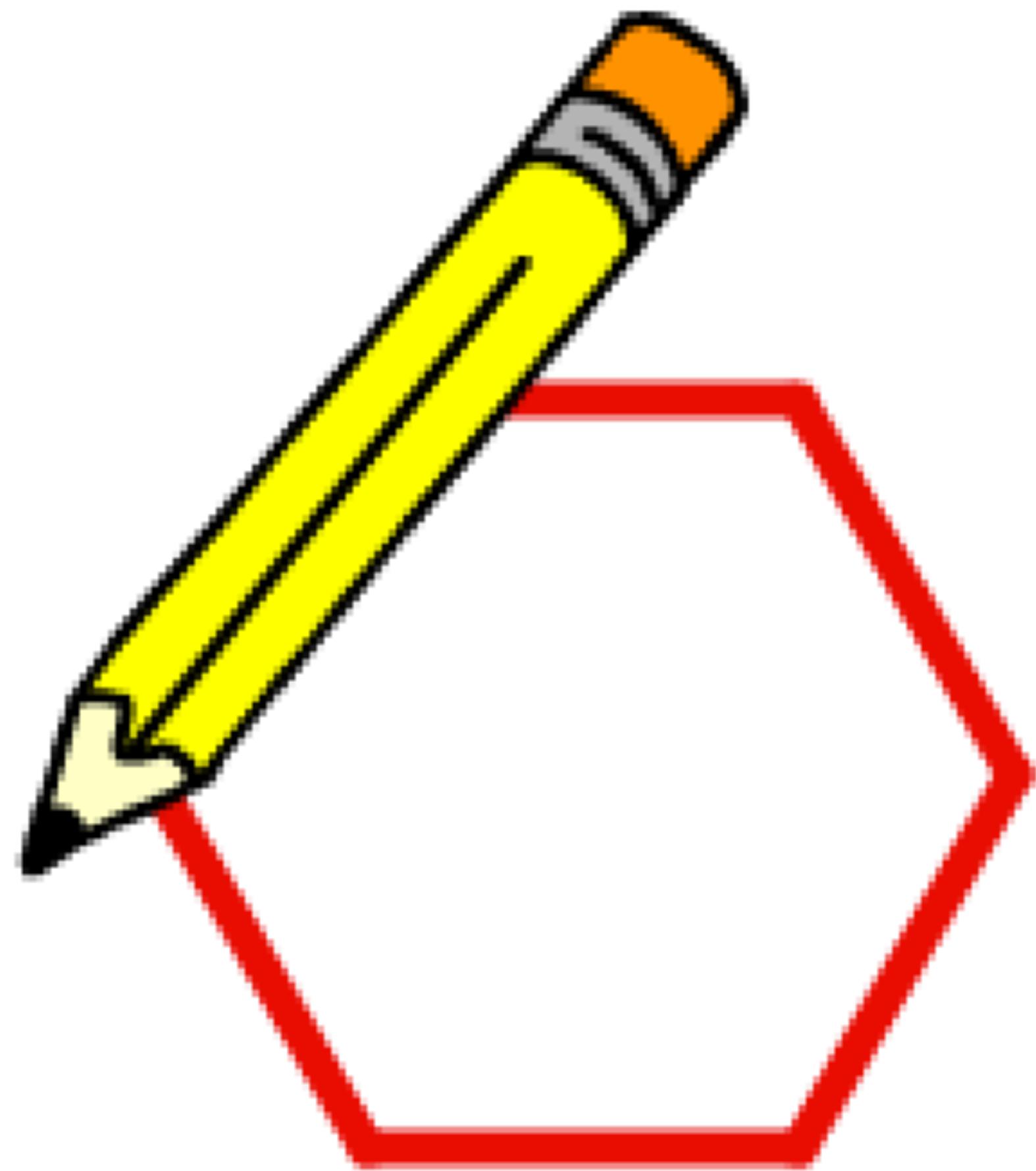
What will this draw?







Spot the difference  
Re-usable patterns



# Get Loopy

## Loop within a Loop

