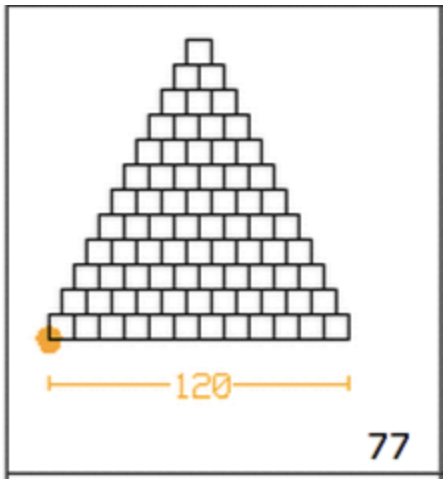
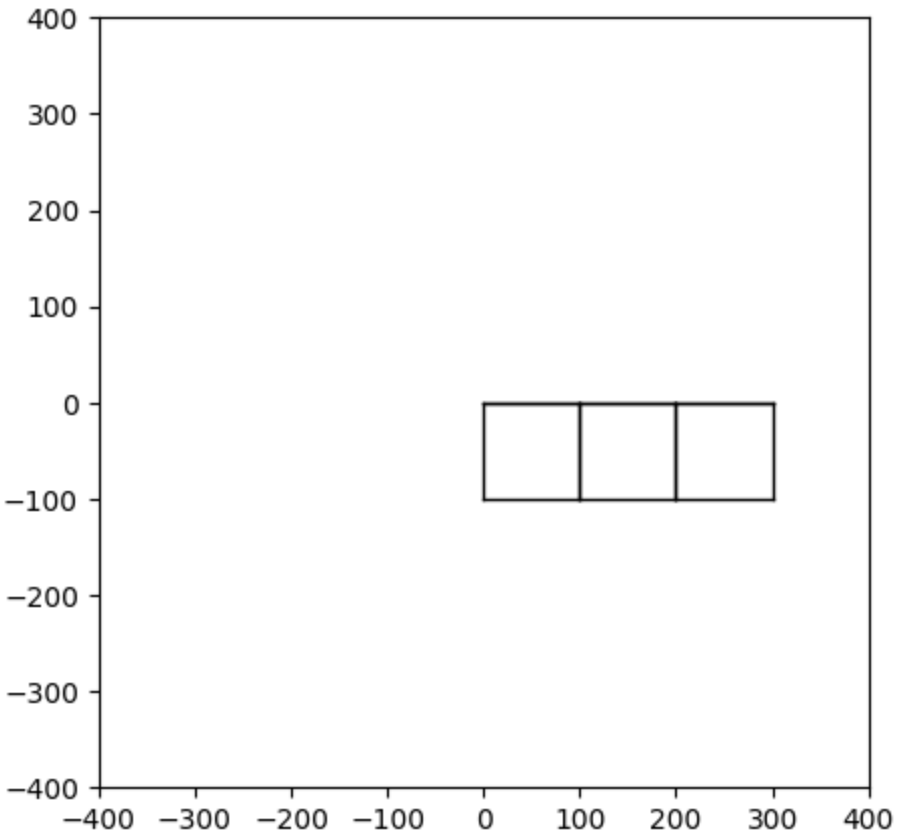
In [1]:
```
from mplturtle import *
```

```
Version  0.0.2
```

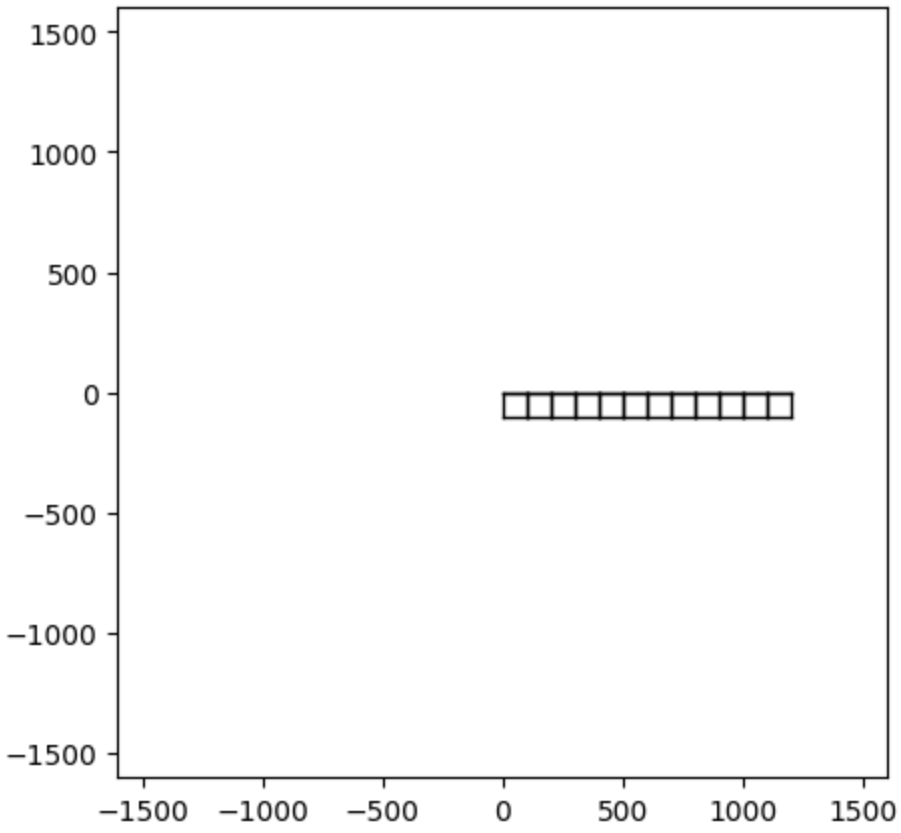


In [2]:
```
def square(size):
    for i in range(4):
        forward(size)
        right(90)
```

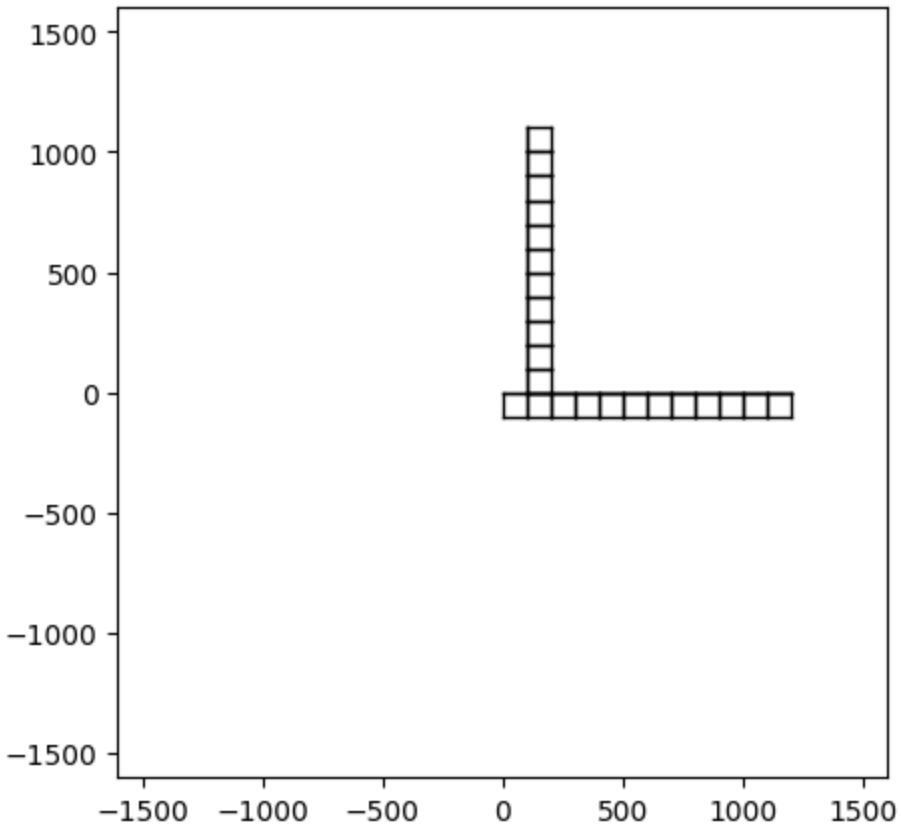
In [3]:
```
reset()

square(100)
forward(100)

square(100)
forward(100)

square(100)
forward(100)
```



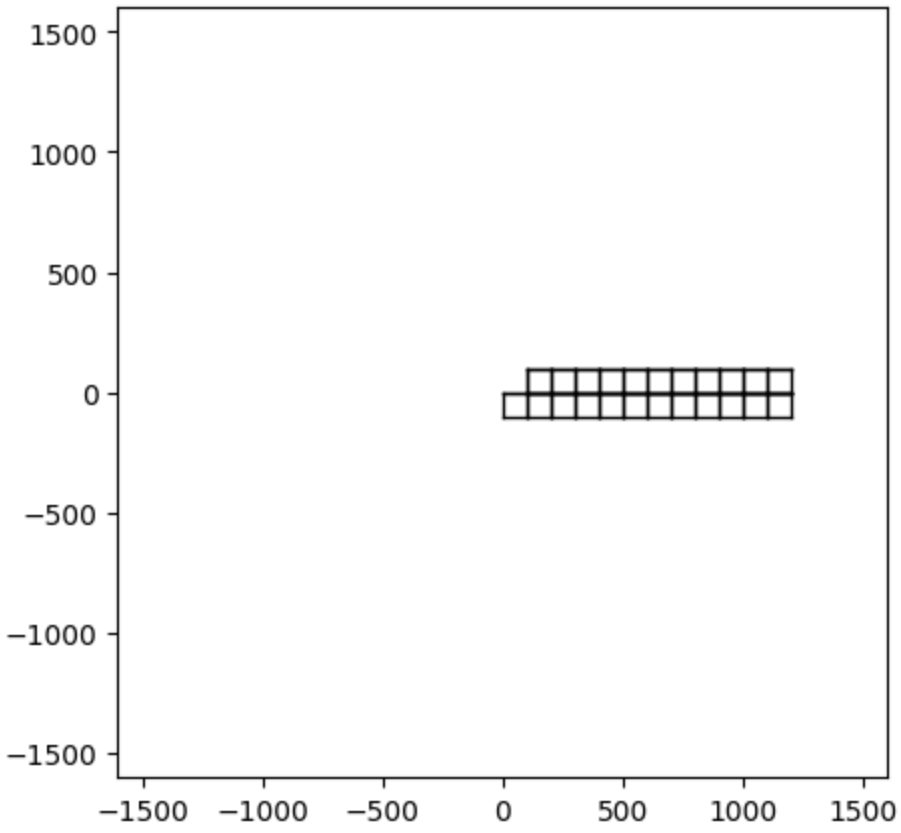
In [4]:
```
reset()

for i in range(12):
    square(100)
    forward(100)
```



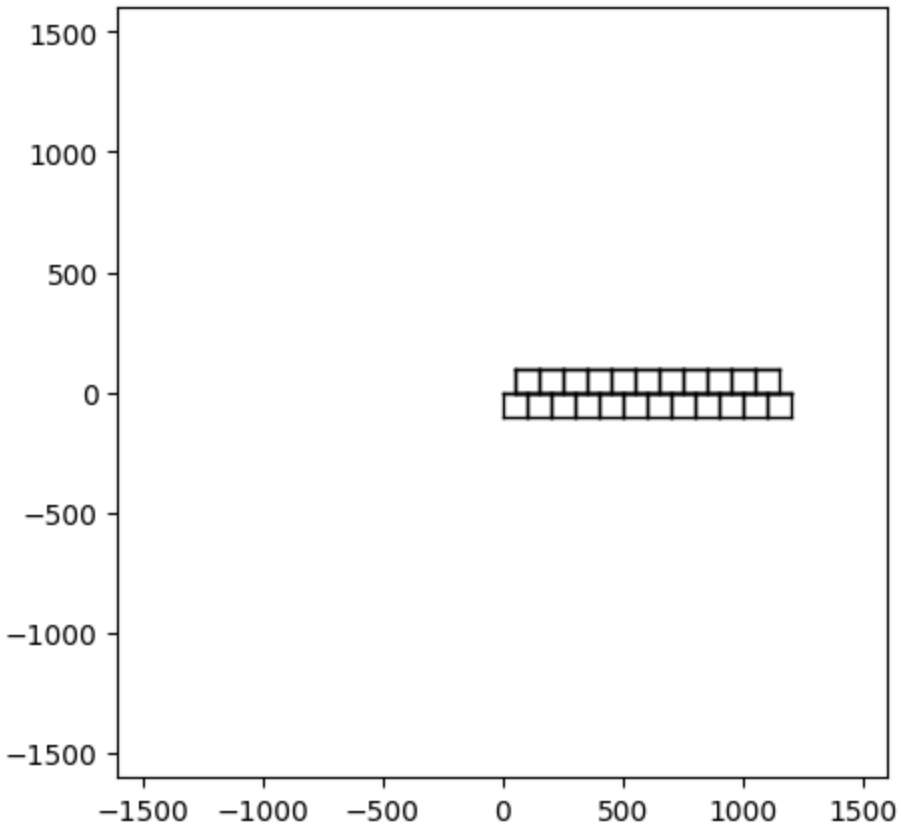
In [5]:
```
reset()

for i in range(12):
    square(100)
    forward(100)

right(180)
forward(100*11)
right(90)

for i in range(11):
    square(100)
    forward(100)
```



In [7]:
```
reset()

for i in range(12):
    square(100)
    forward(100)

right(180)
forward(100*11)
right(90)
forward(100)
right(90)

for i in range(11):
    square(100)
    forward(100)
```

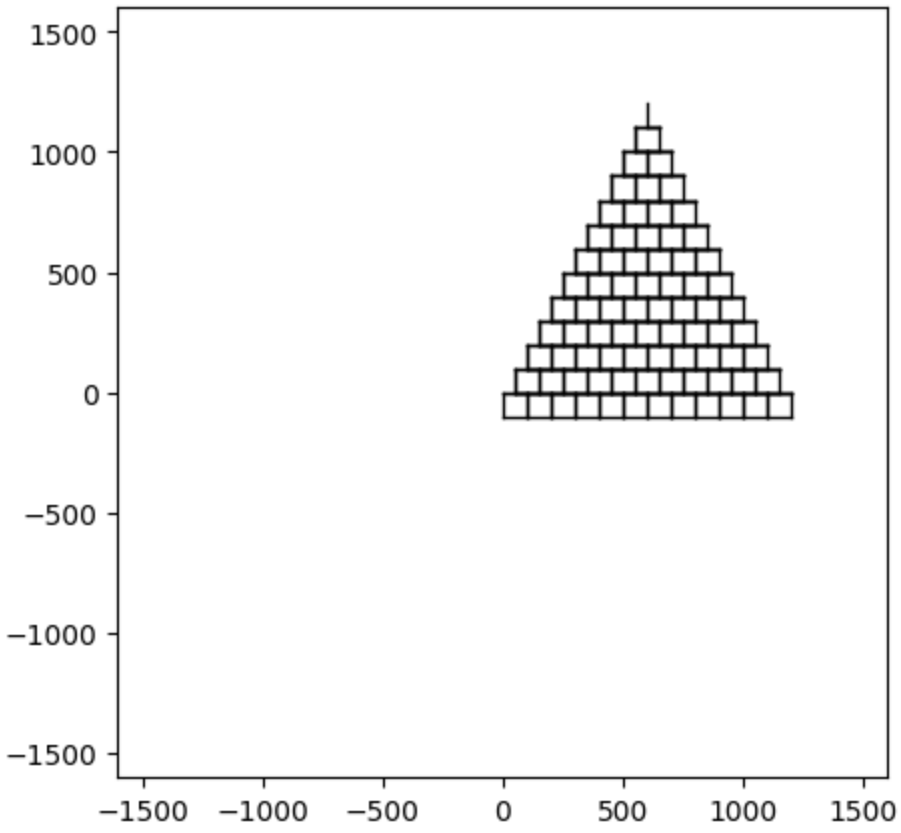


In [8]:
```
reset()

for i in range(12):
    square(100)
    forward(100)

right(180)
forward(100*11+50)
right(90)
forward(100)
right(90)

for i in range(11):
    square(100)
    forward(100)
```



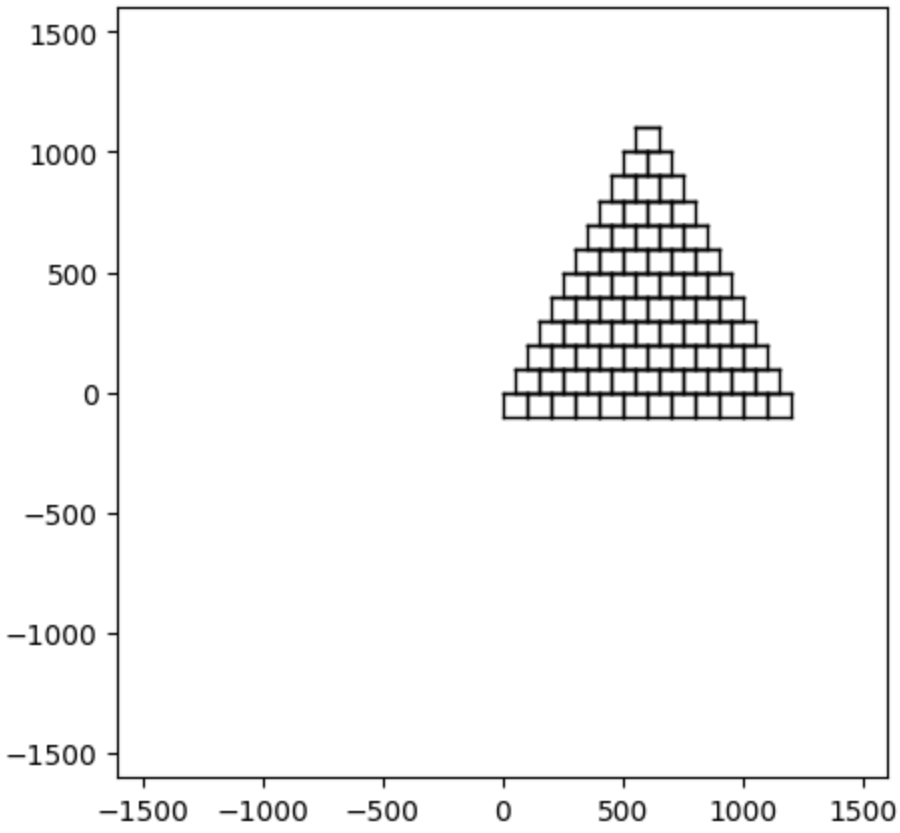
In [10]:

```
reset()

number_of_squares = 12

for j in range(12):
    for i in range(number_of_squares):
        square(100)
        forward(100)

    number_of_squares=number_of_squares-1
    right(180)
    forward(100*number_of_squares+50)
    right(90)
    forward(100)
    right(90)
```

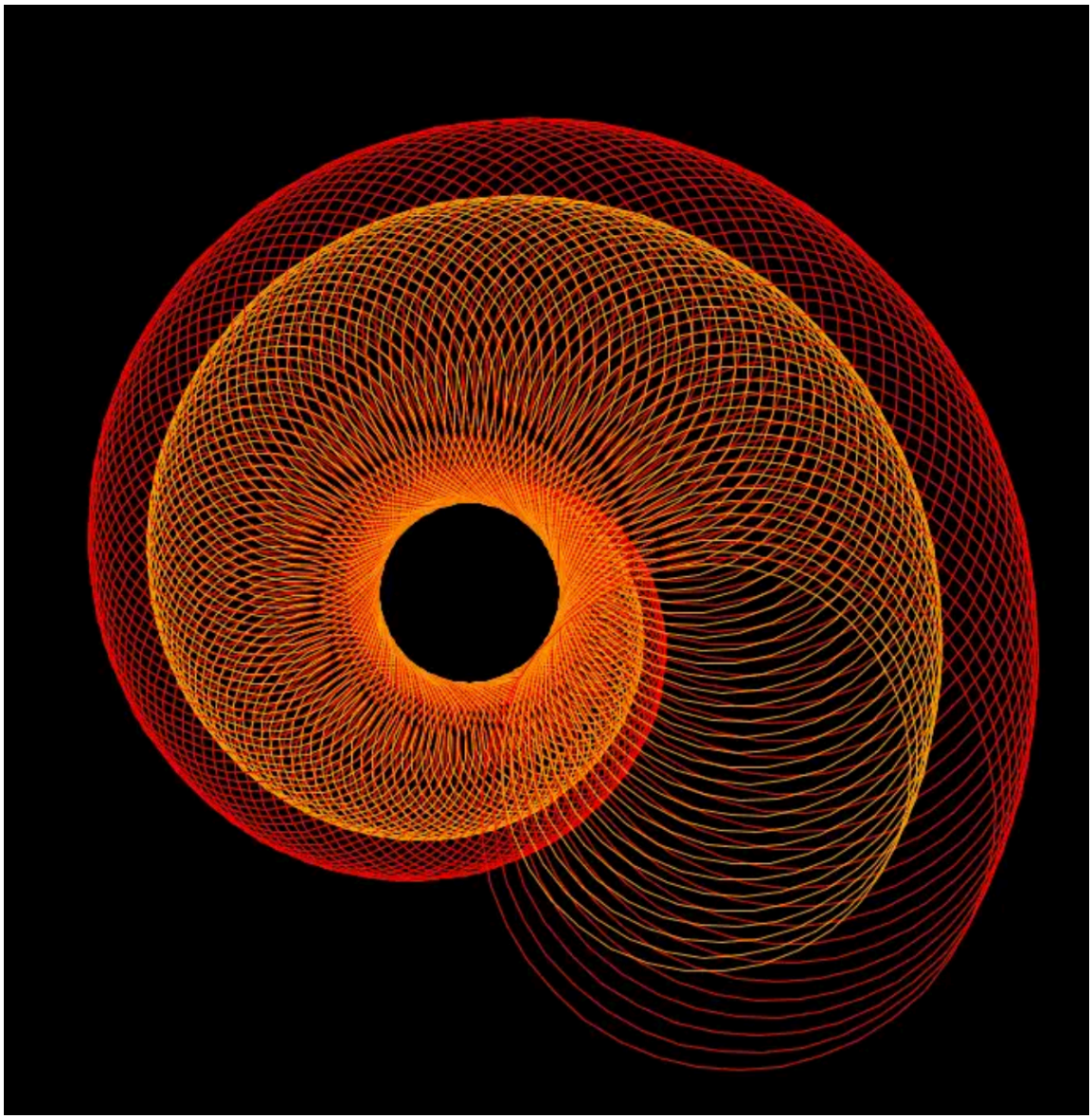


In [11]:

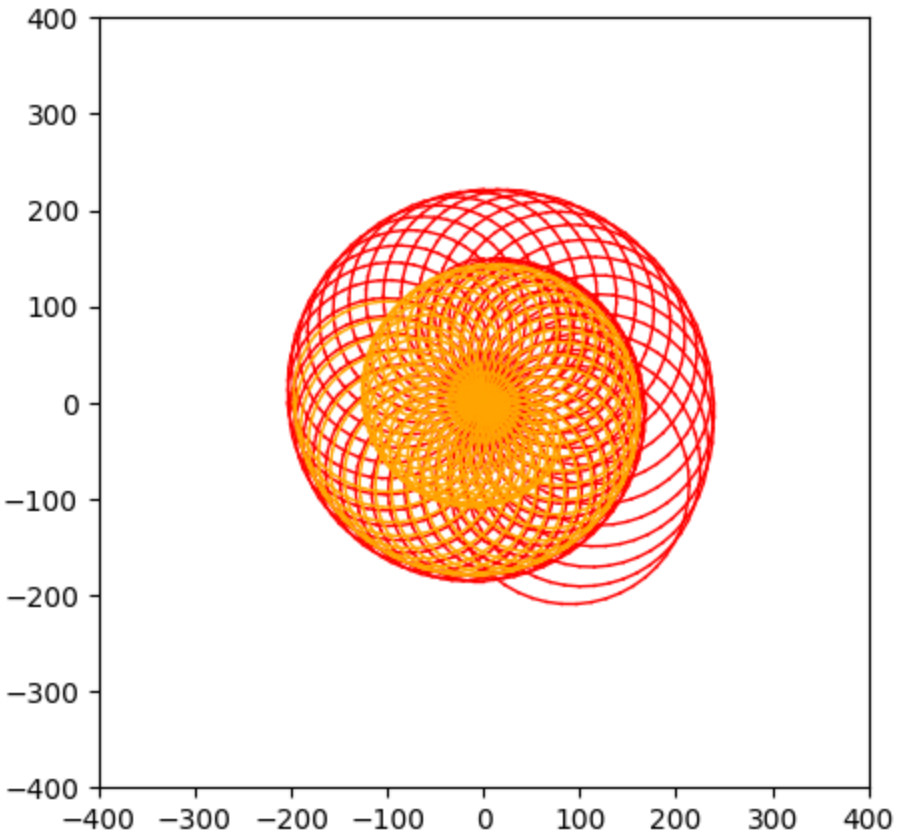
```
reset()

number_of_squares = 12

for j in range(12):
    for i in range(number_of_squares):
        square(100)
        forward(100)

    number_of_squares=number_of_squares-1

    penup()
    right(180)
    forward(100*number_of_squares+50)
    right(90)
    forward(100)
    right(90)
    pendown()
```



In [ ]:



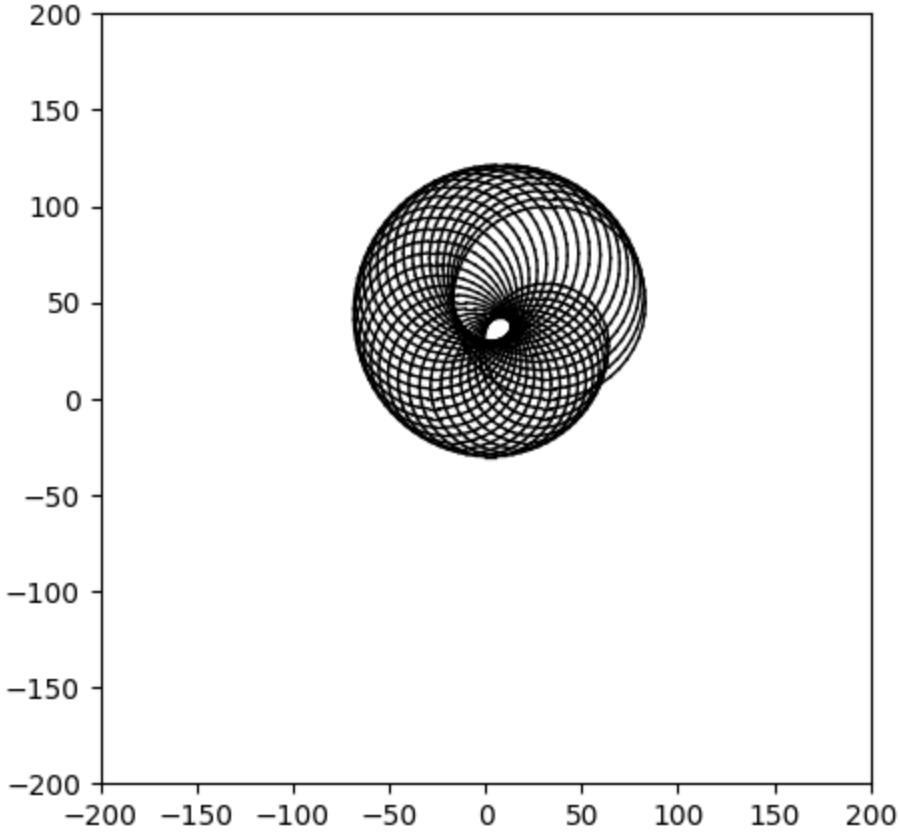
In [18]:
```
reset()

size=150
pencolor("red")
for i in range(50):
    circle(size)
    right(10)
    size=size+2


size=100

pencolor("orange")
for i in range(50):
    circle(size)
    right(10)
    size=size+2
```



close, but not quite.

In [24]:
```
from numpy import cos,sin,radians
```

In [27]:
```
reset()

size=100
for angle in range(0,360,10):
    x,y=30*cos(radians(angle)),30*sin(radians(angle))
    penup()
    goto(x,y)
    pendown()
    circle(size)
    size-=1
```



In [ ]: