

Triangle_de_Sierpinski.py

```
01| import numpy as np
02| import matplotlib.pyplot as plt
03|
04| def triangle_equilateral(a, b, r):
05|     abscisses = [a, a+r, a + r/2, a]
06|     ordonnees = [b, b, b + r*np.sqrt(3)/2, b]
07|     plt.plot(abscisses, ordonnees)
08|
09| def triangle_rec(a, b, r):
10|     if r < 1:
11|         triangle_equilateral(a, b, r)
12|     else:
13|         triangle_rec(a, b, r/2)
14|         triangle_rec(a + r/2, b, r/2)
15|         triangle_rec(a + r/4, b + r*np.sqrt(3)/4, r/2)
16|
17|
18| triangle_rec(0, 0, 100)
19| plt.show()
20|
```