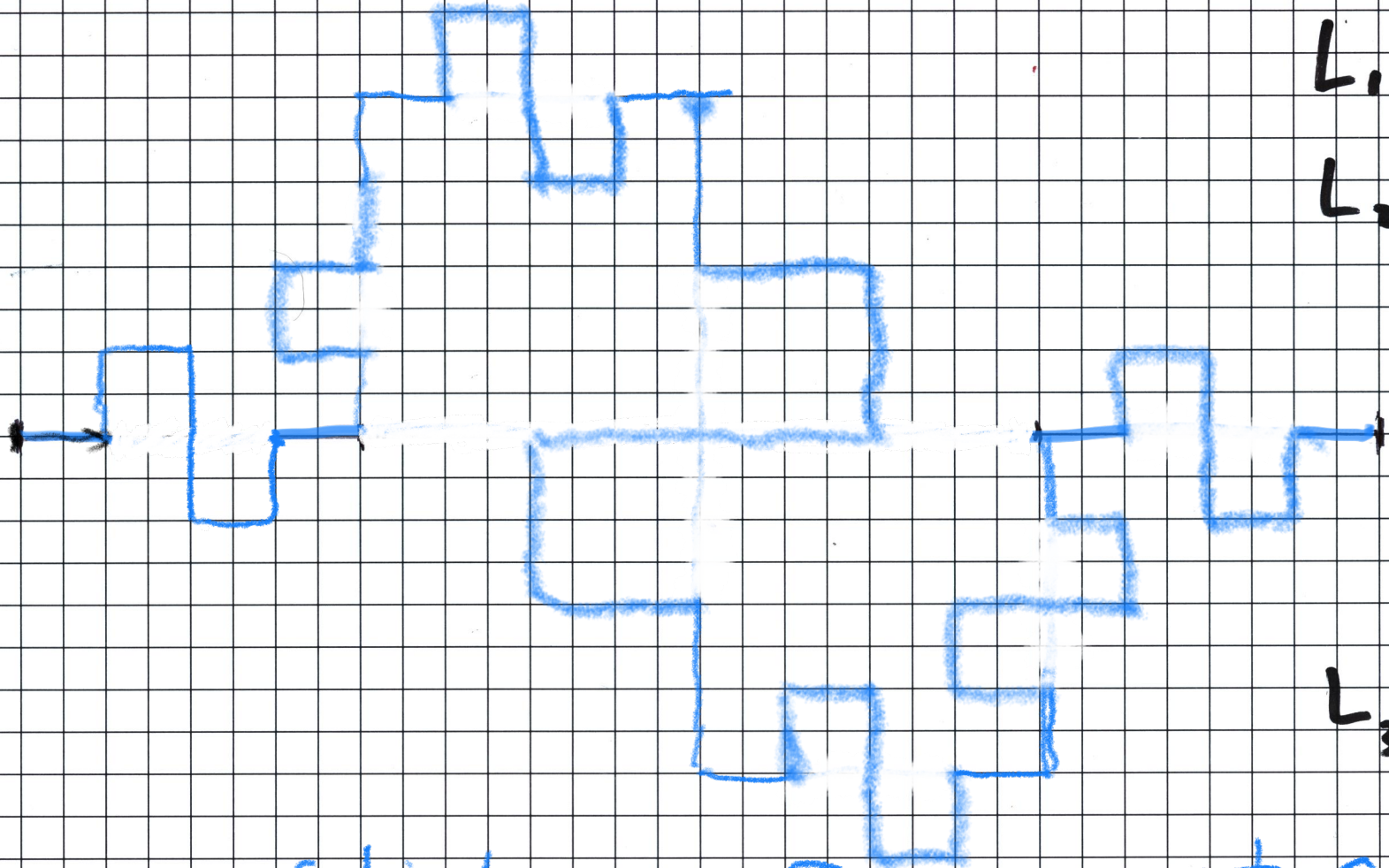


Initial Length = 1

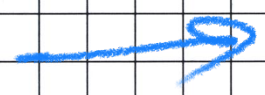
$$L_0 = 1$$

$$L_1 = 2$$

$$L_2 = 4$$



stick



generator

$$L_3 = 8$$

⋮

$$L_n = 2^n$$

Number of Triangles:

Initial Area = 1

$T_0 = 1 = 3^0$

$T_1 = 3 = 3^1$

$T_2 = 9 = 3^2$

$T_3 = 27 = 3^3$

$A_0 = 1$

$A_1 = \frac{3}{4}$

$A_2 = \left(\frac{3}{4}\right)^2$

$A_3 = \left(\frac{3}{4}\right)^3$

