

250

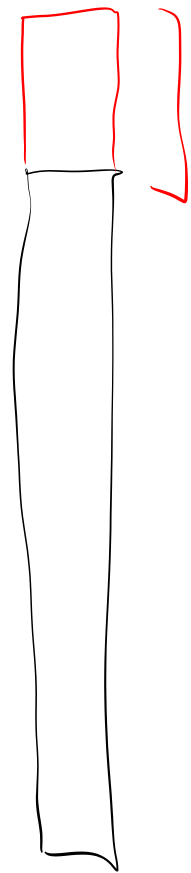


req

30

300

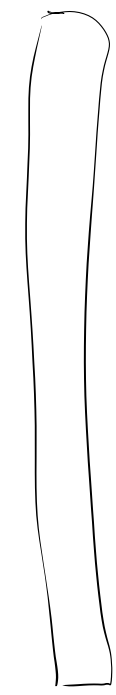
250



$$50 \cdot 4\% = 2$$

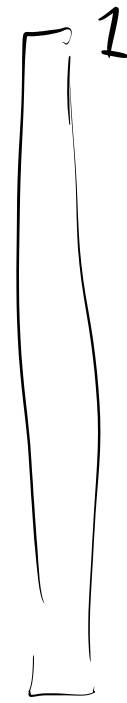
opt

30



quit

20



f. val

20

fractal

fractional ~~dimension~~

$$\frac{48}{9}$$

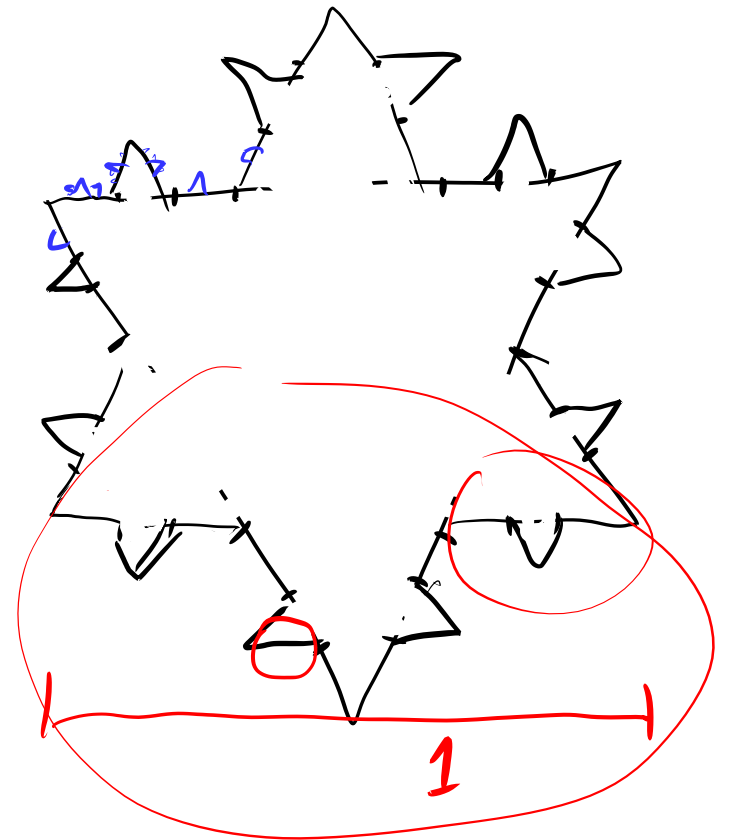
Self-similarity

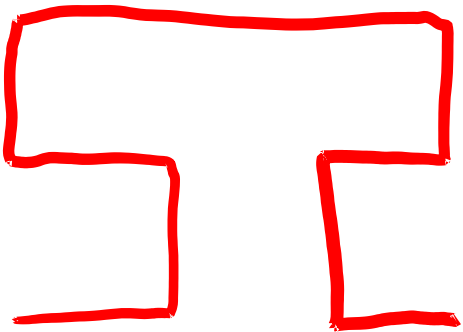
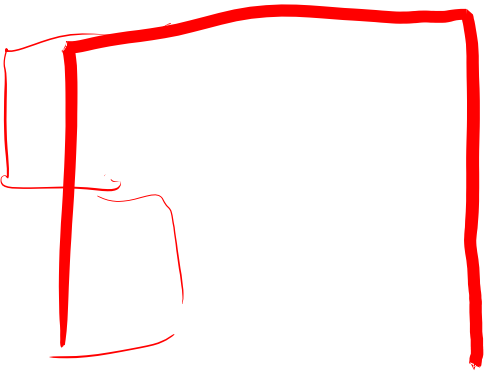
$\infty$

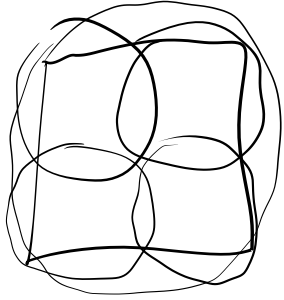
$$3 \cdot \frac{4}{3} \cdot \frac{4}{3} \cdot \frac{4}{3} \cdot \dots \cdot \frac{4}{3}$$

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

Koch Snowflake

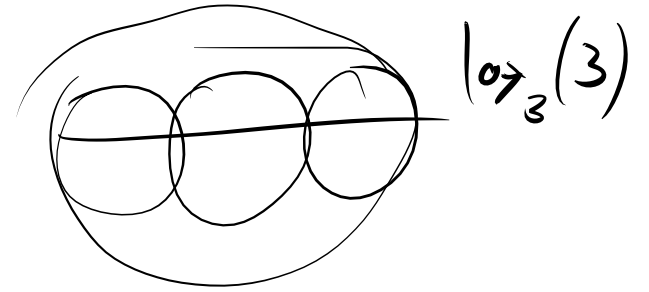






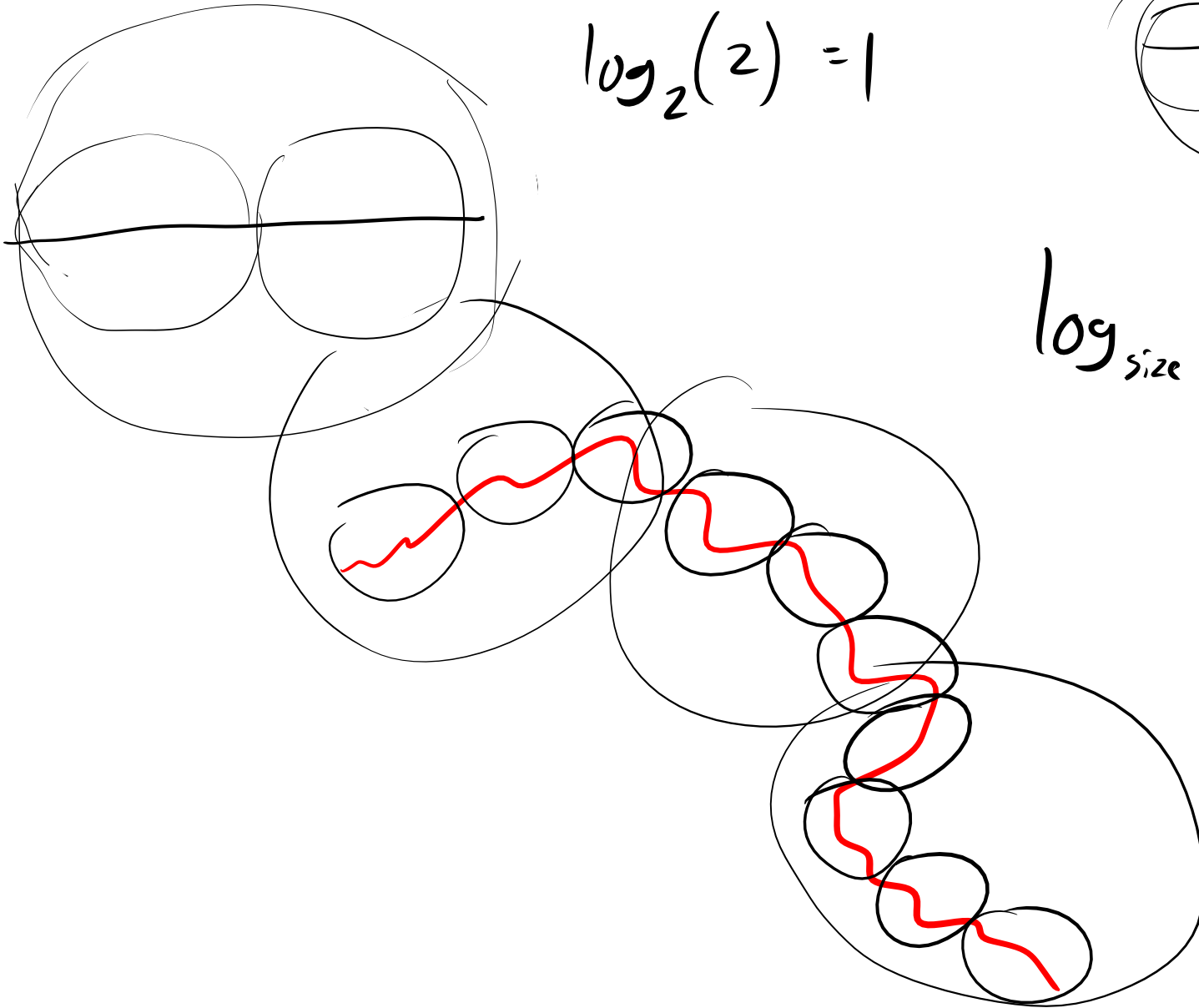
$$\log_2(4) = 2$$

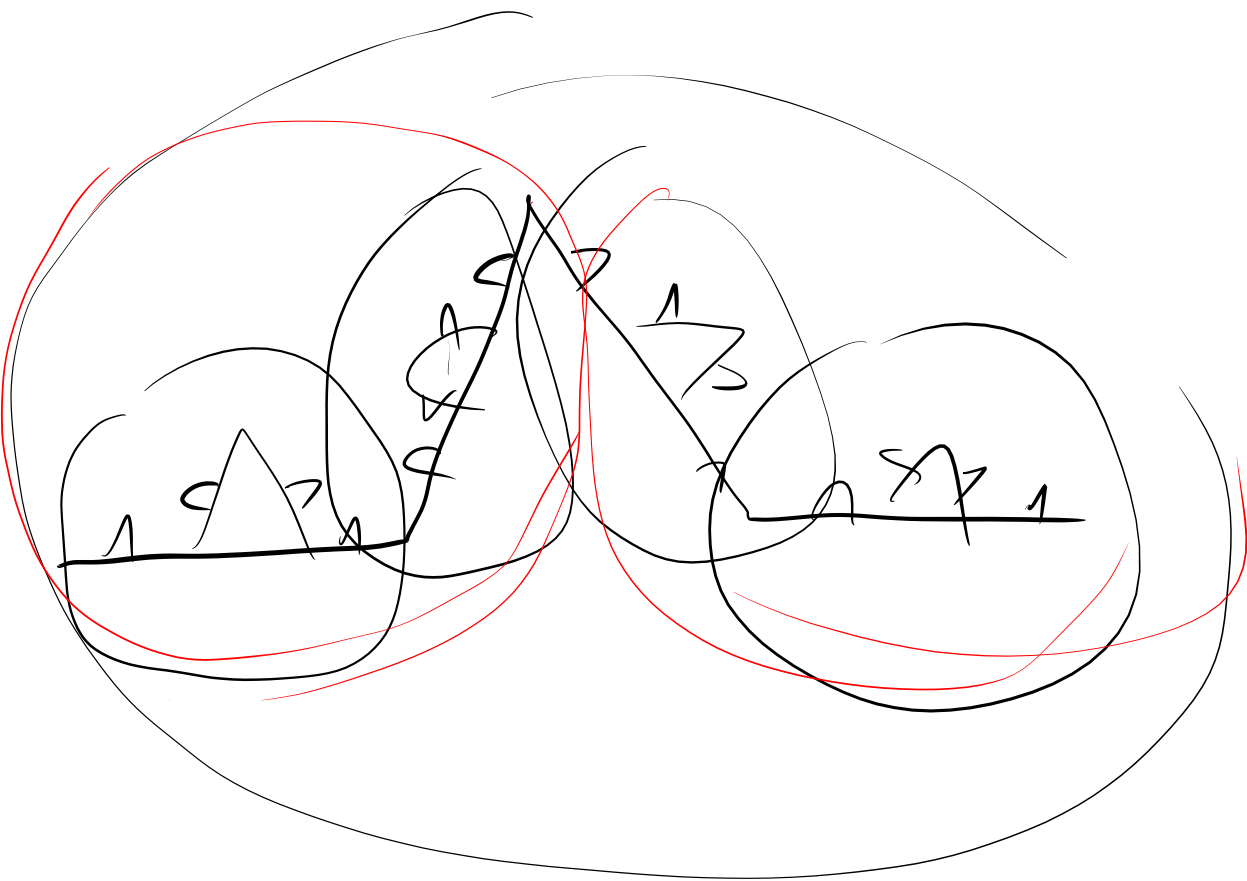
$$\log_2(2) = 1$$



$$\log_3(3)$$

$$\log_{\text{size diff}}(\text{count diff})$$

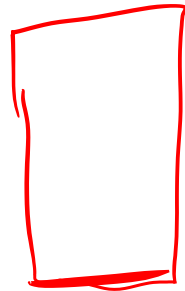




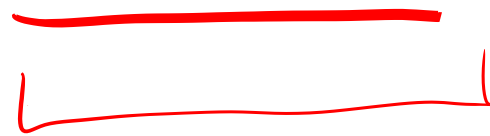
$$\log_3(4) = 1.2618\dots$$

fractal dimension

=

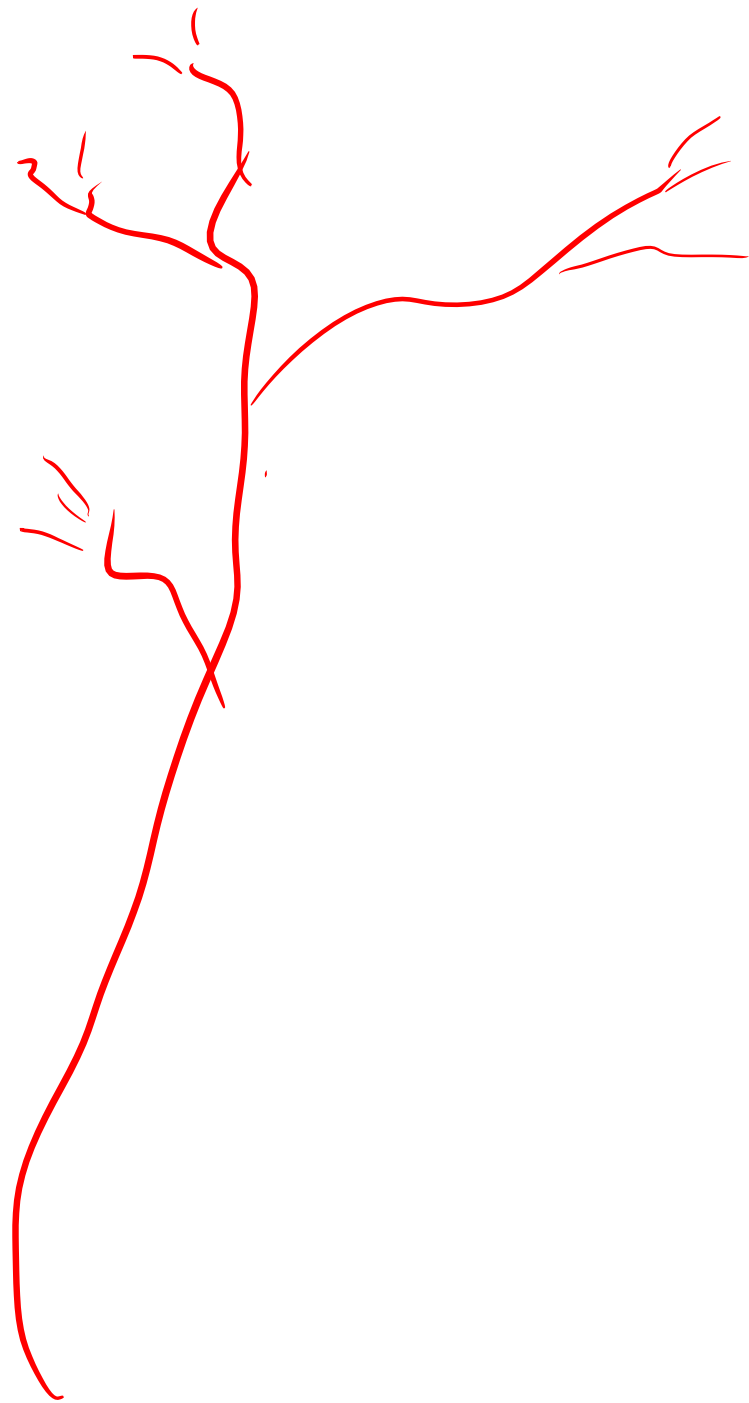
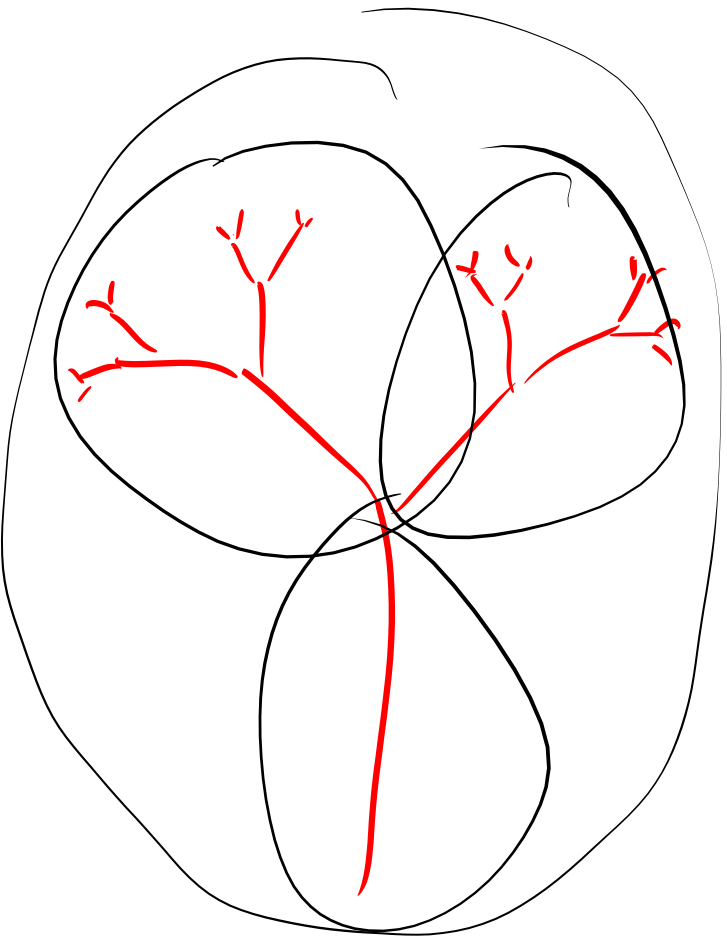


1 = line  
2 = surface

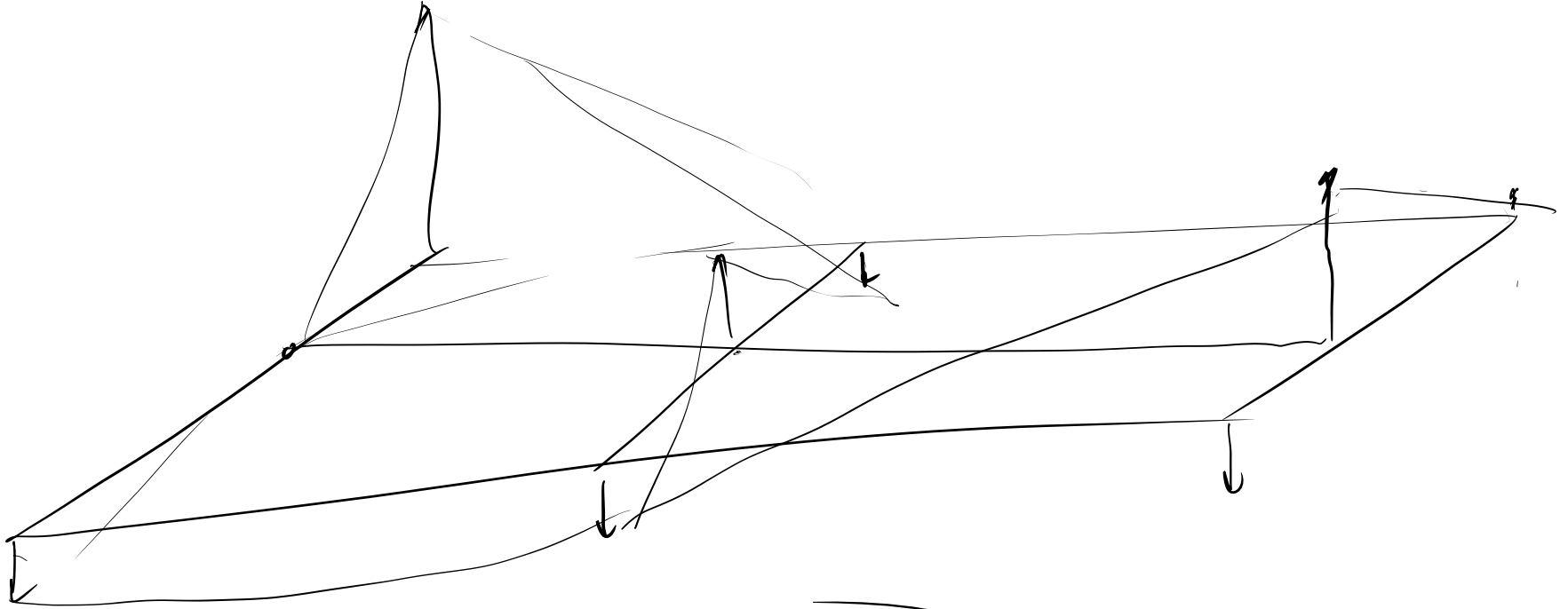


new bumpy

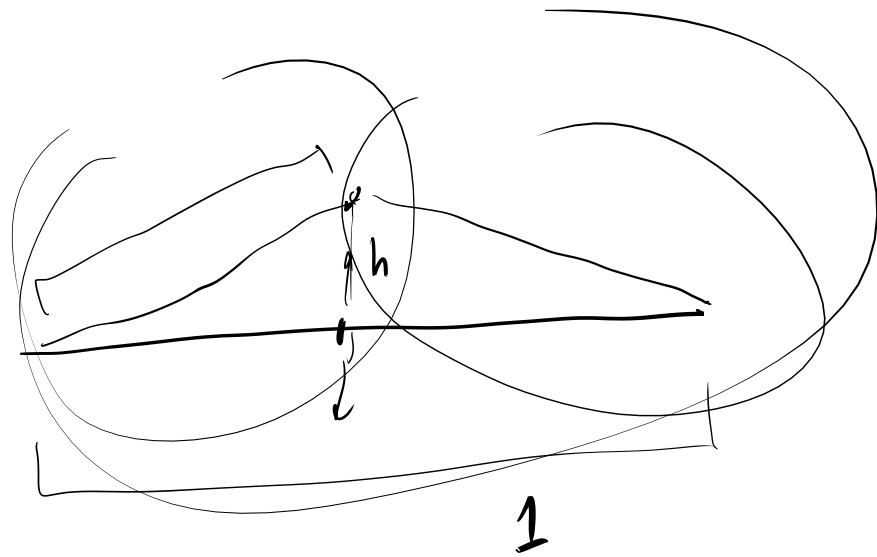
$$\log_2(3)$$





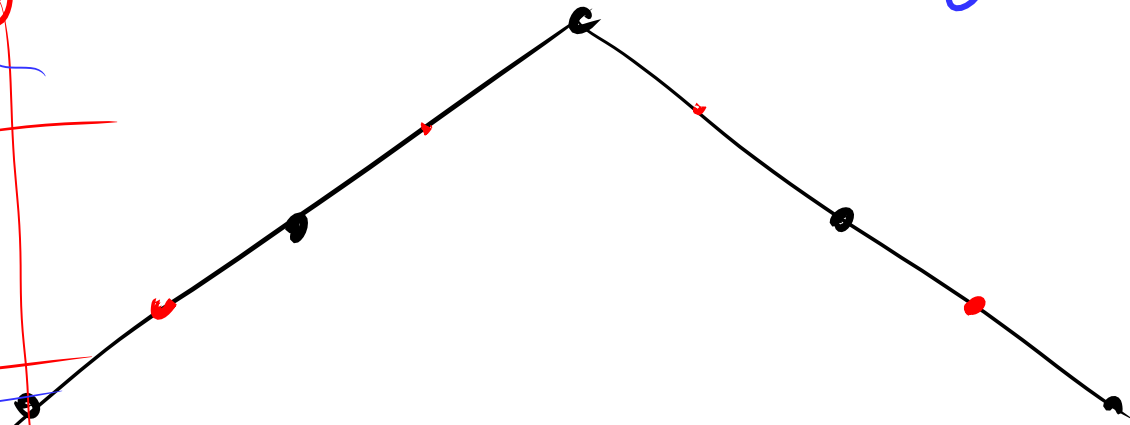
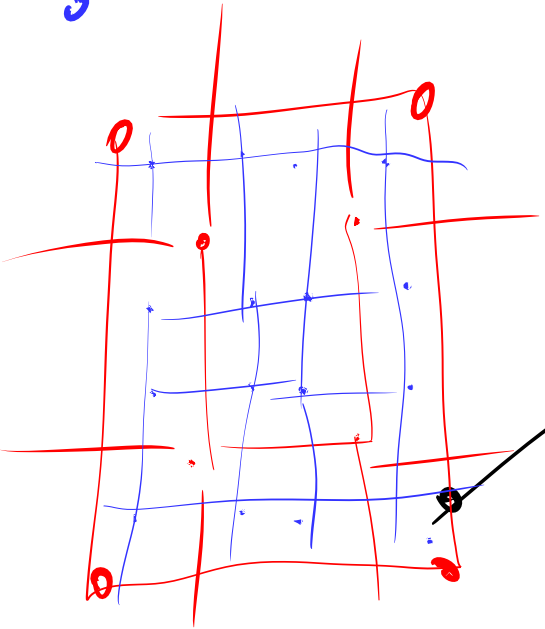
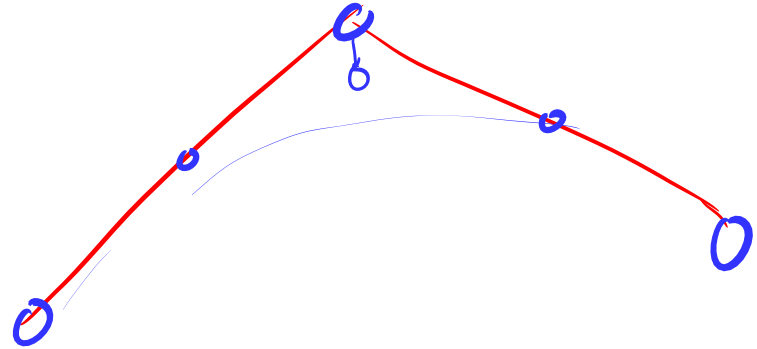
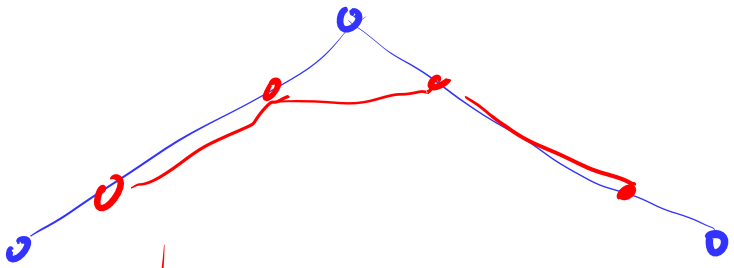


$$2\sqrt{h^2 + \frac{1}{4}}$$



1

$$\log_{\frac{1}{2\sqrt{h^2 + \frac{1}{4}}}}(2)$$





Speed x depth ~ Amount of divs



LOD

Level Of Detail

