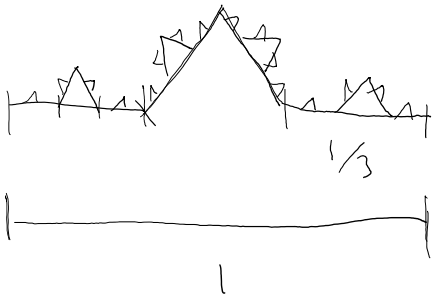
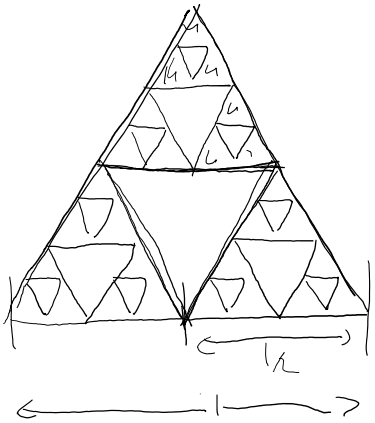
Koch-curve

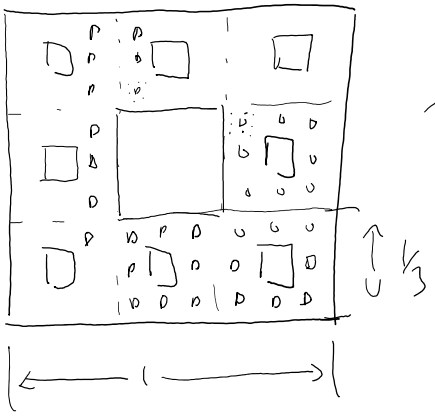


$$D = \ln N / \ln(1/s) = \frac{\ln N}{\ln(1/s)} = \frac{\ln 4}{\ln 3} \approx 1.25\ldots$$

$$N = \left(\frac{1}{s}\right)^D$$



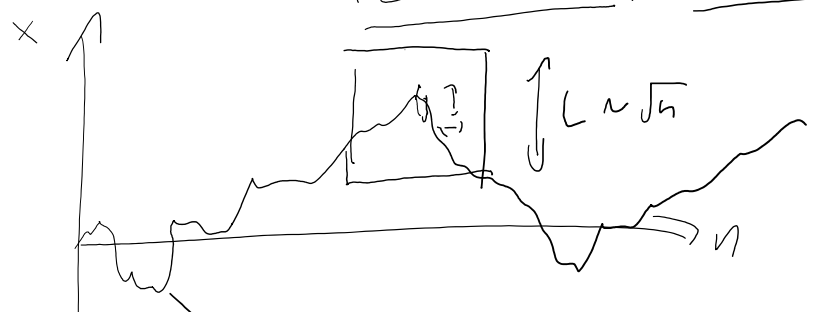
$$D = \frac{\ln N}{\ln(1/s)} = \frac{\ln 3}{\ln 2} \approx 1.56$$

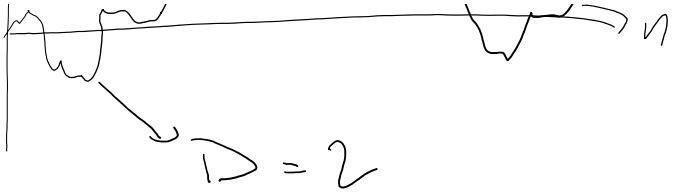


$$D = \frac{\ln 8}{\ln 3}$$

random walk

$$\langle x \rangle = 0 \qquad \langle x^2 \rangle \sim n$$




n
D = 2