Consider sequence  $C_N \xrightarrow{n \to \infty} C_1 R_{-q}$ .  $C_N = \text{option price for } N_{-step} \text{ binomial free}$ (next class:  $\lim_{N \to \infty} C_N(T=0) = Black_s \text{ blocks formula}$ )

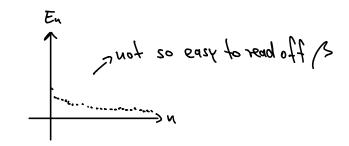
important: how fast is convergence?

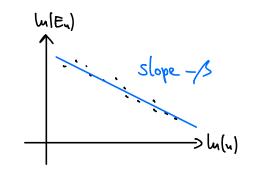
-> usually/often it is a power law: En=1Cn-C1= A.u. for large u

Sue call Sthe rate of convergence

note: if C is unknown, look at 1 Cu-Cu l for some N>> n

How to read it off from a plot?





if we get a straight line with slope -13, we have found the cour rate

python: loglog (n, En) => plot (ln(n), ln(En))