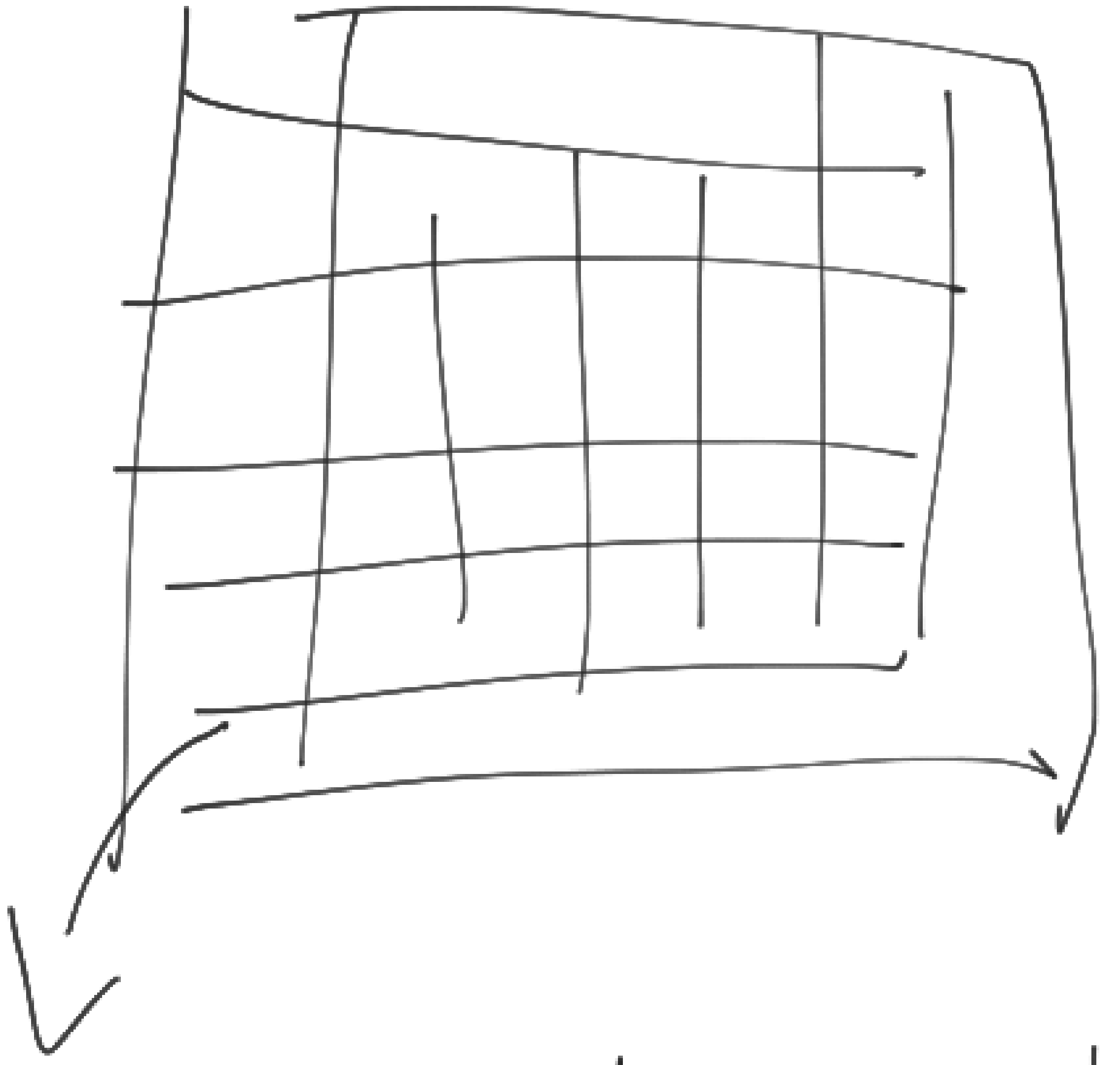


L moléc de
llenando

C de "aa wdy"

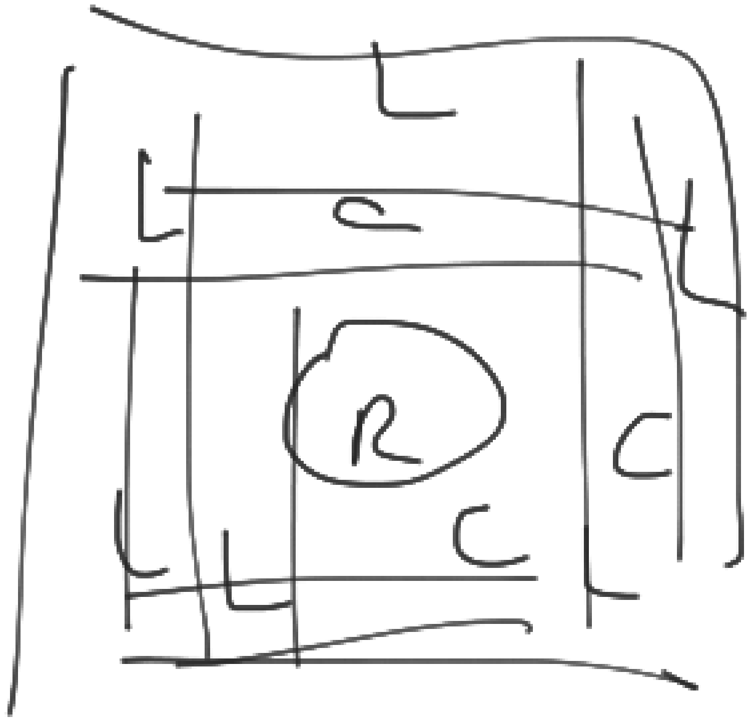
Ω de celdas volúmenes de
tamaño v

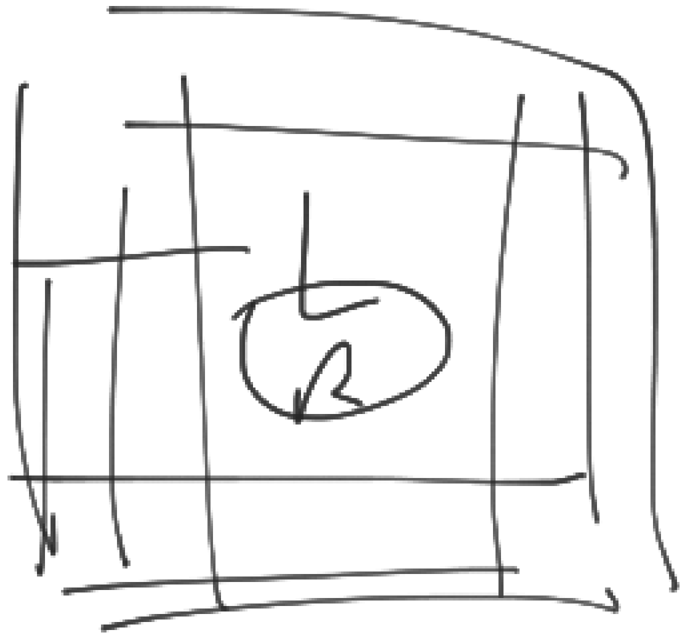
$$\binom{\Omega}{L} = \frac{\Omega!}{L!\,(\Omega-L)!}$$

$$\binom{\Omega}{L} \cdot \binom{\Omega-L}{C}$$

$$\frac{n!}{k!(n-k)!} \cdot \frac{(n-k)!}{c!(n-k-c)!} =$$

$$= \frac{n!}{k!c!(n-k-c)!}$$





$$E = L\,\varepsilon_s^L + C\,\varepsilon_s^C$$

$$E = (L-1)\,\varepsilon_s^L + C\,\varepsilon_s^C + \varepsilon_L^b$$

$$\frac{\Omega!}{L!\,C!\,(\Omega-L-C)!}\, e^{-\beta(L\varepsilon_s^L + C\varepsilon_s^C)} \equiv Z_{sol}(L, C)$$

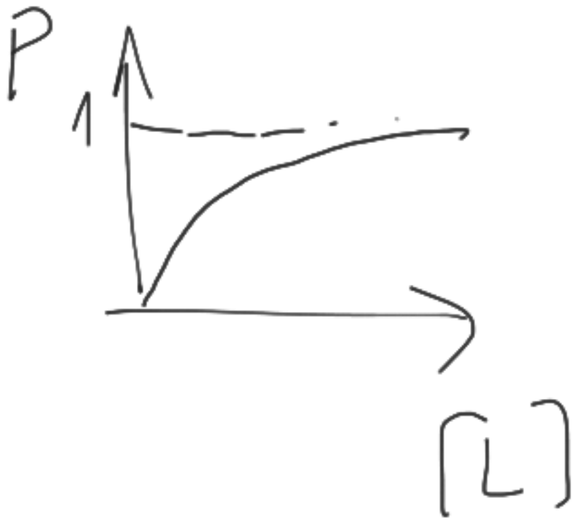
$$+ \frac{\Omega!}{(L-1)!\,C!\,(\Omega-L+1-C)!}\, e^{-\beta(L\varepsilon_s^L + C\varepsilon_s^C)}\, e^{-\beta(\varepsilon_s^L - \varepsilon_L^b)}$$

$$\frac{\Omega!}{L!\,C!\,(\Omega-L-C)!}\, e^{-\beta\left(L\varepsilon_L^{sol}+C\varepsilon_C^{sol}\right)} = Z_{sol}(L,C)$$

$$+\frac{\Omega!}{(L-1)!\,C!\,(\Omega-(L-1)-C)!}\, e^{-\beta\left((L-1)\varepsilon_L^{sol}+C\varepsilon_C^{sol}\right)} e^{-\beta\varepsilon_L^{b}}$$

$$Z_{sol}(L-1,C)$$

libre $\underset{k'}{\overset{k[L]}{\rightleftharpoons}}$ ligado



P = prob de estar libre

$$\dot{P} = -k' P + k[L] \cdot (1 - P) = 0$$

$$k[L] = (k' + k[L])\, P$$

$$P = \frac{k[L]}{k' + k[L]} = \frac{[L]}{\frac{k'}{k} + [L]}$$

$\frac{k'}{k} \rightarrow k_d$ = Const de disoc