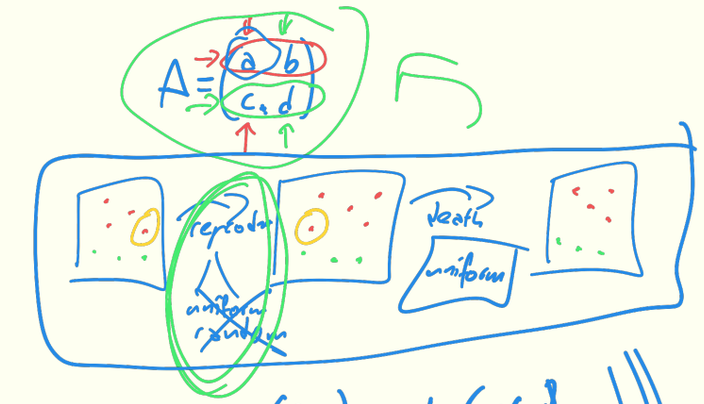


$$f_{1i} = \frac{a(i-1) + b(N-i)}{N-1}$$

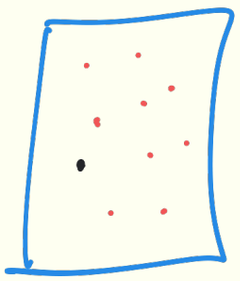
$$f_{2i} = \frac{ci + b(N-i-1)}{N-1}$$

$$\rho_{i\,i+1} = \frac{i f_{1i}}{i f_{1i} + (N-i) f_{2i}} \cdot \frac{N-i}{N}$$

$$\rho_{i\,i-1} = \frac{(N-i) f_{2i}}{i f_{1i} + (N-i) f_{2i}} \cdot \frac{i}{N}$$

$$\gamma_i = \frac{\rho_{i\,i+1}}{\rho_{i\,i-1}} = \frac{f_{1i}}{f_{2i}}$$

$$x_i = \frac{1 + \sum_{j=1}^{i-1} \prod_{k=1}^{j} \frac{f_{1k}}{f_{2k}}}{1 + \sum_{j=1}^{N-1} \prod_{k=1}^{j} \frac{f_{1k}}{f_{2k}}}$$



$\rho_1 = x_1$

$\rho_2 = 1 - x_{N-1}$