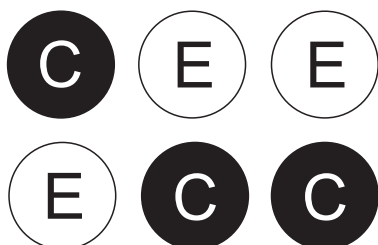


$N \equiv$ number of sites

$N_c \equiv$ number of covered sites

$N_e \equiv$ number of empty sites



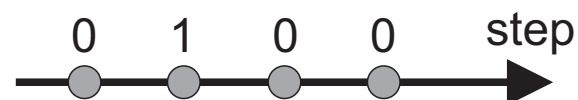
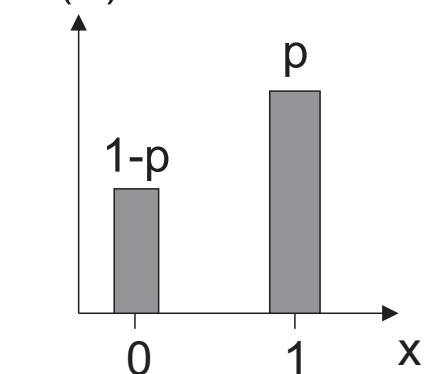
Metropolis probabilities

$$P(\sigma_i \rightarrow \sigma_j) = \begin{cases} 1 & \Delta E \leq 0 \\ e^{-\frac{\Delta E}{k_B T}} & \Delta E > 0 \end{cases}$$



Bernoulli processes

$P(X)=x$



Joint

Normalize

Markov chain

