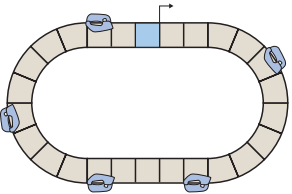
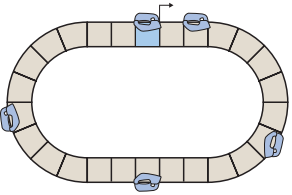
state	energy	multiplicity	Boltzmann weight	Normalized weight
	$P\varepsilon_P^{(NS)}$	$\frac{N_{NS}!}{P!(N_{NS}-P)!} \approx \frac{N_{NS}^P}{P!}$	$\frac{N_{NS}^P}{P!} e^{-\beta P \varepsilon_P^{(NS)}}$	1
	$\varepsilon_P^{(S)} + (P-1)\varepsilon_P^{(NS)}$	$\frac{N_{NS}!}{(P-1)!(N_{NS}-(P-1))!} \approx \frac{N_{NS}^{P-1}}{(P-1)!}$	$\frac{N_{NS}^{P-1}}{(P-1)!} e^{-\beta\left[\varepsilon_P^{(S)} + (P-1)\varepsilon_P^{(NS)}\right]}$	$\frac{P}{N_{NS}} e^{-\beta \Delta \varepsilon_P}$