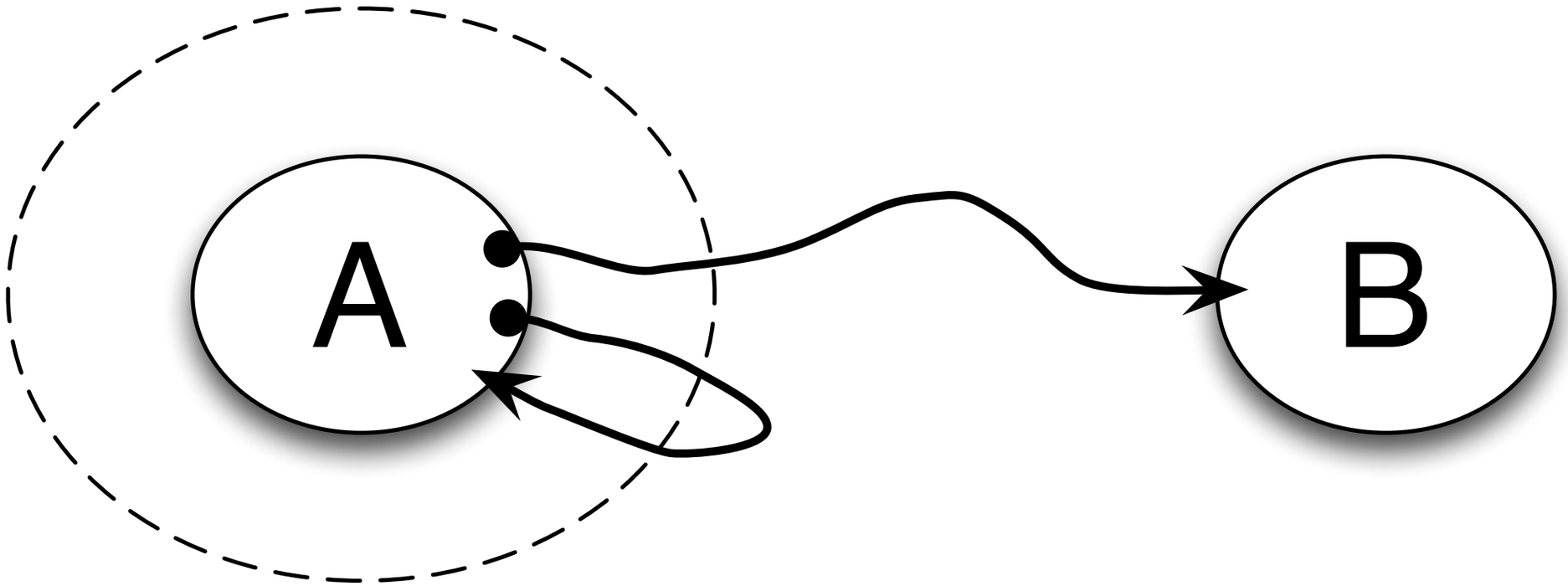
Path ensemble: TIS



$$H[\mathbf{x}(L)] = h_A(x_0)\hat{h}_j[\mathbf{x}(L)] \prod_{\alpha\in\{A,B\}} \bar{h}_\alpha[\mathbf{x}(L)] \sum_{\alpha\{A,B\}} h_\alpha(x_L)$$

$$\hat{h}_j[\mathbf{x}(L)] = \begin{cases} 1 & \text{if } \exists x_i \in \mathbf{x}[L] \text{ such that } \lambda(x_i) > \lambda_j \\ 0 & \text{otherwise} \end{cases}$$

$$\bar{h}_\alpha[\mathbf{x}(L)] = \prod_{i=1}^{L-1} (1 - h_\alpha(x_i))$$

Path ensemble: Minus

$$
\begin{aligned}
H[\mathbf{x}(L)] = {} & h_A(x_0)\bar{h}_A(x_0,\ldots,x_a)\hat{h}_{A,0}(x_0,\ldots,x_a) \\
& \times h_A(x_a)h_A(x_b)\bar{h}_A(x_b,\ldots,x_L)\hat{h}_{A,0}(x_b,\ldots,x_L) \\
& \times h_A(x_L)\bar{h}_B[\mathbf{x}(L)] \qquad (\text{with } 0 < a < b < L)
\end{aligned}
$$