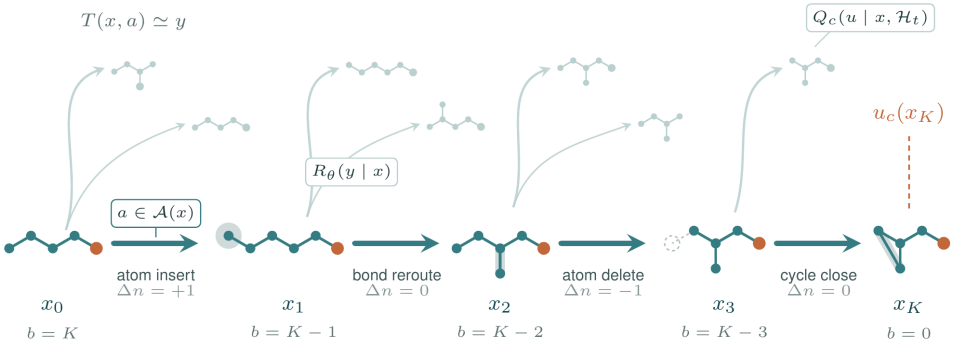
$$a \in \mathcal{A}(x) \Rightarrow T(x,a) \in \mathcal{X}, \qquad \sum_{y \in \mathcal{S}(x)} R_\theta(y \mid x) = 1$$



$$\pi = (a_1, \ldots, a_L) \in \Pi(x), \qquad Q_c(u \mid x, \mathcal{H}_t), \quad u \in \mathcal{U}(x), \quad \mathcal{U}(x) \in \{\mathcal{S}(x), \Pi(x)\}$$