

$$S^{(i)} = (s_1^{(i)} \dots s_m^{(i)})$$

$$\max_{\Theta} \log P_{\Theta}(S^{(i)}) \equiv \max_{\Theta} \sum_{j=1}^m \log P_{\Theta}(s_j^{(i)} | \text{neighbors}(s_j^{(i)}))$$

