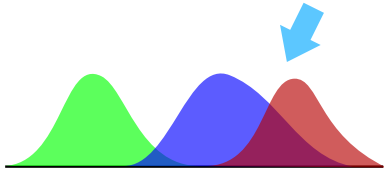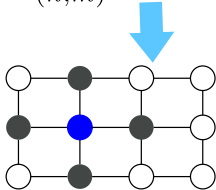$$p(\mathbf{z}) = \frac{1}{C} \exp\left(\sum_{n=1}^{N} \sum_{k=1}^{K} z_{nk} \log \pi_{nk} + \beta \sum_{(n,m)} \langle z_n, z_m \rangle\right)$$

mixture model

MRF