

$$\mathbf{x}^* = \arg \min_{\mathbf{x}} \sum_{i \in \mathcal{V}} \psi_i(0)(1 - x_i) + \psi_i(1)x_i + \sum_{i,j \in \mathcal{E}} (K_{ij}(1 - x_i)x_j + K_{ij}(1 - x_j)x_i)$$

has to be non-negative