$$\frac{1}{2} \min_{P \in \mathcal{P}} \sum_{i,s,l,m} C^{(P)}_{(i\ell)(sm)} P_{is} P_{\ell m} = \min_{P \in \{0,1\}^{n \times n}} \text{vec}(P)^T \cdot C \cdot \text{vec}(P)$$

$\uparrow$ Lp distortion

- stochastic values of probability instead $\{0,1\}$ = SOFT MAP

$$\min_{S \in [0,1]^{n \times n}} \text{vec}(S)^T C \, \text{vec}(S)$$

$$S = t P_1 + (1-t) P_2 \quad t \in [0,1]$$