$$\underset{\substack{z\in\mathcal{L}^n\\ \Pi_1,\Pi_2\in\{0,1\}^{n\times n}}}{\text{minimize}} \quad \underbrace{-\|z\odot\Pi_1^\intercal s_1\|_1-\|(1-z)\odot\Pi_2^\intercal s_2\|_1}_{\text{saliency}}$$

$$\underbrace{+\beta\sum_{(i,j)\in\mathcal{N}}\psi(z_i,z_j)+\gamma\sum_{(i,j)\in\mathcal{N}}\phi_{i,j}(z_i,z_j)}_{\text{smoothness}}$$

$$\underbrace{-\eta\sum_i\log p(z_i)}_{\text{mixing ratio}}+\underbrace{\xi\sum_{k=1,2}\langle\Pi_k,C\rangle}_{\text{transport}}$$

$$\text{subject to}\quad \Pi_k 1_n=1_n,\ \Pi_k^\intercal 1_n=1_n \quad \text{for } k=1,2.$$