

$$\text{Maximize:} \quad \phi(\gamma^*) \quad (1)$$

$$\text{Subject to:} \quad \gamma_m^* = \frac{1}{T} \sum_{\tau=rT}^{rT+T-1} x_m^*(\tau) \quad \forall m \in \{1, \dots, M\}$$

$$\begin{aligned} & \sum_{m \in \mathcal{M}_n^{(c)}} \gamma_m^* + \frac{1}{T} \sum_{\tau=rT}^{rT+T-1} \sum_{i=1}^N \mu_{in}^{*(c)}(\tau) \\ & \leq \frac{1}{T} \sum_{\tau=rT}^{rT+T-1} \sum_{j=1}^N \mu_{nj}^{*(c)}(\tau) \quad \forall (n, c), n \neq c \end{aligned}$$

$$[(b_{ij}^*(t)), (\mu_{ij}^{*(c)}(t))] \in \text{Conv}(\Omega(\tau)) \quad , \forall \tau$$

$$0 \leq x_m^*(\tau) \leq A_m(\tau) \quad \forall m \in \{1, \dots, M\}, \forall \tau$$