

$$\text{Min} \sum_{l,m} f_{lm} Y_{lm} \tag{1}$$

subject to

$$\sum_{i,j} X_{ijlm} d_{ij} = Y_{lm}, \quad \forall l, m \tag{2}$$

$$X_{ijlm} d_{ij} \leq Z_{ij}, \quad \forall l, m, i, j \tag{3}$$