

SEPARATION PROBLEM

$$\zeta = \min \sum_{kT: l_{ij} > \delta} (1 - \bar{x}_{ijk}) \chi_{kT}$$

$$\sum_{kT: l_{ij} > \delta} \chi_{kT} \cdot d_k \geq \bar{y}_i \cdot \Gamma + 1$$

$$\chi_{kT} \in \{0, 1\}^+$$

IF ζ IS $\leq 1 - \epsilon$

WE ADD THE CONSTRAINT BUILT IN THE FOLLOWING WAY

$$\sum_{\substack{jk: \\ l_{ij} > \delta}} x_{ijk} \leq \text{card}(C_2) - 1$$

where $C_2 = \{ \text{All } x_{ijk} = 1 \}$

ROUTINE IMPLEMENTATION

SOLVE CR $\mapsto x_{ijk}, y_i, z_{ij}$

REPEAT

FOR EACH NODE :

IF $y_i > 0$:

SOLVE SEPARATION PROBLEM $\mapsto x_{ijk}$

IF $\zeta \leq 1 - \epsilon$:

ADD CONSTRAINT

BREAK

UNTIL ($\zeta \geq 1$)