Otimização do monitoramento de ativos

min
$$f_{s} = \sum_{i=1}^{n} \sum_{j=1}^{m} dij Xij$$

min
$$fz = max \left(\sum_{i=1}^{n} hik \right) = min \left(\sum_{i=1}^{n} hik \right)$$

$$5_{i}a:$$

$$\sum_{j=1}^{m} y_{jk} = 1, \quad \forall k \in \{1, ..., n\}$$

$$\sum_{j=1}^{m} x_{ij} = 1, \quad \forall i \in \{1, ..., n\}$$

$$x_{ij} \leq y_{jk}, \quad \forall i \in \{1, ..., n\}, \quad \forall j \in \{1, ..., n\}, \quad \forall k \in \{1, ..., n\}$$

$$\sum_{k=1}^{m} h_{ik} = 1, \quad \forall i \in \{1, ..., n\}$$

$$h_{ik} \leq (x_{ij} + y_{jk})/2, \quad \forall i \in \{1, ..., n\}, \quad \forall j \in \{1, ..., n\}, \quad \forall k \in \{1, ..., n\}$$

$$\sum_{i=1}^{n} h_{ik} \geq n_{in}, \quad \forall k \in \{1, ..., n\}$$

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