

Jumping Overlays

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here is the explanation for the objective function

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$$\max \sum_{b \in B} a_b$$

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here is the first explanation for the first constraint

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$$\begin{aligned} \max \quad & \sum_{b \in B} a_b \\ \text{s. t.} \quad & a_{mn} + b_{mn} + c_{mn} \leq d_o \quad \forall m \in M, n \in N, o \in O \quad (1) \end{aligned}$$

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$$\max \sum_{b \in B} a_b$$

here is the second explanation for the first constraint

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$$\sum_{b \in B} a_{mn} + \sum_{b \in B} b_{mn} + \sum_{b \in B} c_{mn} \leq d_m + e_n \quad \forall n \in N \quad (2)$$

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$$\sum_{b \in B} a_{mn} + \sum_{b \in B} b_{mn} + \sum_{b \in B} c_{mn} \leq d_m + e_n \quad \forall n \in N \quad (2)$$

here is the explanation for the third constraint

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$$\begin{aligned} \max \quad & \sum_{b \in B} a_b \\ \text{s.t.} \quad & a_{mn} + b_{mn} + c_{mn} \leq d_o \quad \forall m \in M, n \in N, o \in O \quad (1) \end{aligned}$$

$$\sum_{b \in B} a_{mn} + \sum_{b \in B} b_{mn} + \sum_{b \in B} c_{mn} \leq d_m + e_n \quad \forall n \in N \quad (2)$$

$$\sum_{m \in M} a_{mn} + \sum_{m \in M} b_{mn} + \sum_{m \in M} c_{mn} \leq 1 \quad \forall n \in N \quad (3)$$