P $\min \sum_{j=1}^{n} c_j x_j$

s.t. $\sum_{j=1}^{n} a_{ij} x_j \geq b_i \quad i = 1 \dots m$

$x_j \geq 0 \quad j = 1 \dots n$

D $\max \sum_{i=1}^{m} b_i y_i$

s.t. $\sum_{i=1}^{m} a_{ij} y_i \leq c_j \quad \forall j = 1 \dots n$

$y_i \geq 0 \quad \forall i = 1 \dots m$

dual of D = P

$\Rightarrow$ dual of P = D

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interpretation

) pay y_i for 1 g of nutrient i