IE407 - Homework 1

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Question 1

a) x_{ij}: The number of products produced at Plant i and shipped to Warehouse j.
y_{ij}: The number of products shipped from Warehouse i to Customer j.
w_{ij}: The cost of shipping one unit of product from Plant i to Warehouse j.
z_{ij}: The cost of shipping one unit of product from Warehouse i to Customer j.
Minimize Cost: $Z = \sum_{i=1}^{3} \sum_{j=1}^{2} w_{ij} x_{ij} + \sum_{i=1}^{2} \sum_{j=1}^{3} z_{ij} y_{ij}$