x_{ij} denote the decision of how many units of good to be transported from location i to location j

Objective function : min $50y_1 + 60y_2 + 68y_3 + x_{1A} + 2x_{1B} + 8x_{1C} + 4x_{11} + 8x_{12} +$
$6x_{2A} + 3x_{2B} + x_{2C} + 7x_{21} + 6x_{22} + 4x_{A1} + 3x_{B1} + 5x_{C1} +$
$6x_{A2} + 4x_{B2} + 3x_{C2}$

s.t.

$y_1 + y_2 + y_3 = 1$ → Choose one warehouse

$x_{1A} + x_{2A} \leq My_1$
$x_{1B} + x_{2B} \leq 60y_2$
$x_{1C} + x_{2C} \leq 70y_3$
} Capacity of each warehouse

$x_{1A} + x_{2A} \geq x_{A1} + x_{A2}$
$x_{1B} + x_{2B} \geq x_{B1} + x_{B2}$
$x_{1C} + x_{2C} \geq x_{C1} + x_{C2}$
} Unit in warehouse >= Unit out warehouse

$x_{1A} + x_{1B} + x_{1C} + x_{11} + x_{12} \leq 50$
$x_{2A} + x_{2B} + x_{2C} + x_{21} + x_{22} \leq 75$
} Supply limit

$x_{11} + x_{21} + x_{A1} + x_{B1} + x_{C1} \geq 75$
$x_{12} + x_{22} + x_{A2} + x_{B2} + x_{C2} \geq 50$
} Demand limit

M is a big constant

$x_{ij} \geq 0$, $\forall (i,j)$

$y_i = 0$ or 1, $i = 1, 2, 3$