ROBS21535 楊士家 Def: Nij means the quantity from i transfer to j place, Min  $(\chi_{1A} + 6\chi_{2A} + 4\chi_{A1} + 6\chi_{B2} + 50) \times y_1$ +  $(2\chi_{1B} + 3\chi_{2B} + 3\chi_{B1} + 4\chi_{B2} + 60) \times y_2$  was constructed, it will be one. + (8x1c+ x2c + 5xc1 + 3xc2 + 68) x y3 + 4 x11 + 8 x12 + 9 x21 + 6 x22 S.t. 0 41+42+43=1  $\begin{cases}
\chi_{IA} + \chi_{2A} = \chi_{AI} + \chi_{A2} \\
\chi_{IB} + \chi_{>B} = \chi_{BI} + \chi_{B2}
\end{cases}$  $2 \begin{cases} \chi_{1B} + \chi_{2B} \leq 60 \\ \chi_{1C} + \chi_{2C} \leq 10 \end{cases}$ 1) Because only one warehouse will  $3 \begin{cases} \chi_{1A} + \chi_{1B} + \chi_{1C} + \chi_{11} + \chi_{12} = 50 \\ \chi_{2A} + \chi_{2B} + \chi_{2C} + \chi_{21} + \chi_{22} = 15 \\ \chi_{A1} + \chi_{B1} + \chi_{C1} + \chi_{11} + \chi_{21} = 15 \\ \chi_{A2} + \chi_{B2} + \chi_{C2} + \chi_{12} + \chi_{22} = 50 \end{cases}$ be constructed, the sum of yi will be one. The capacity of warehouse The first two constraints means the supply of point 1 and 2 The last two constraints means (2) (3)the demand of point 1 and > will be construct. So it not allowed the flow go through. when yi equal to Zero. Xij = 0 + i=A,B,C,1,2 j=A,B,C,1,2 (AA,AB,AC,BA,BB,BC,CA,CB,CC) Flow conservation