

## Homework\_6\_2

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$$\begin{aligned} \text{Min } Z = & 3x_{11} + 4x_{12} + 6x_{13} \\ & + 5x_{21} + 7x_{22} + 5x_{23}. \end{aligned}$$

$$\text{s.t. } \begin{cases} x_{11} + x_{21} = 17 \\ x_{12} + x_{22} = 8 \\ x_{13} + x_{23} = 10 \end{cases}$$

$$\textcircled{2} \begin{cases} x_{11} + x_{12} + x_{13} = 15 \\ x_{21} + x_{22} + x_{23} = 20 \end{cases}$$

令  $x_{ij}$  為從  $i$  運  $j$  的運量  
 $i=1, 2 \quad j=1, 2, 3.$

① 每個市場需求量限制式

② 每個工廠供給量限制式