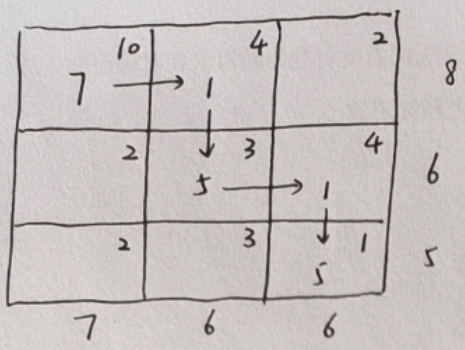
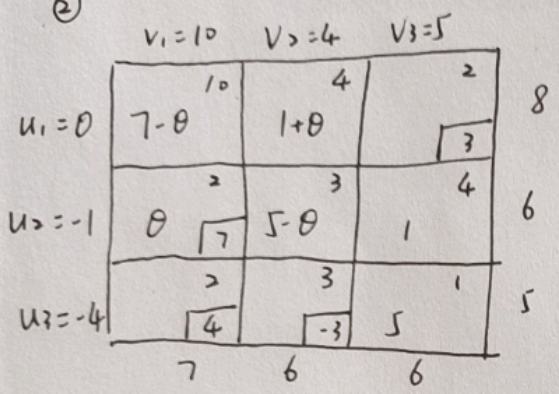
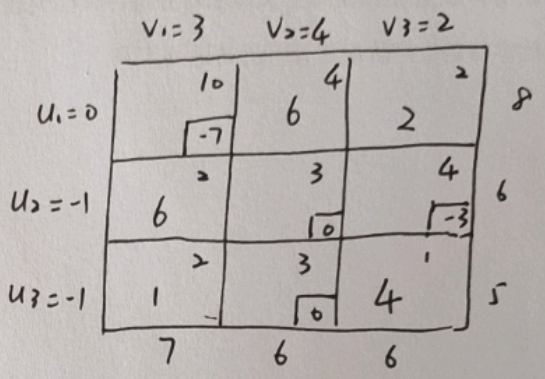
①



②

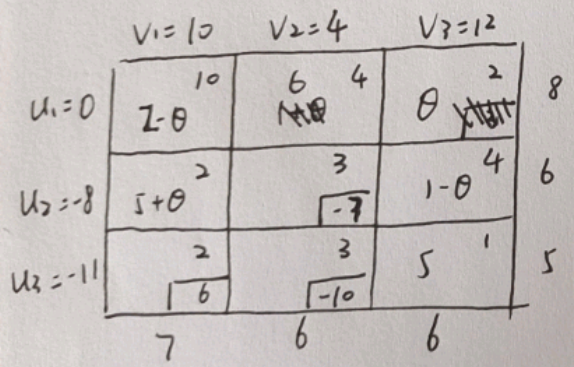


其中 $\begin{cases} 7-\theta \geq 0 \\ 5-\theta \geq 0 \\ \theta \geq 0 \end{cases}$

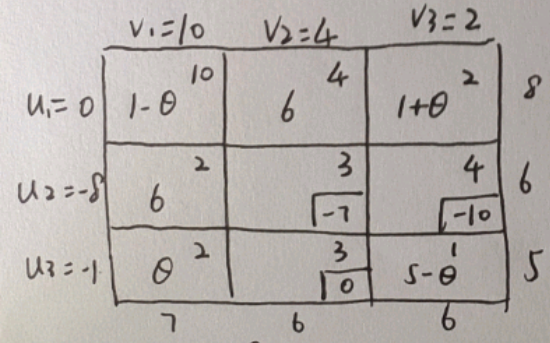


$x_{12}=6$ $x_{13}=2$ $x_{21}=6$ $x_{31}=1$ $x_{33}=4$

$\therefore \min z = 46$



其中 $\begin{cases} 2-\theta \geq 0 \\ 1-\theta \geq 0 \\ \theta \geq 0 \end{cases}$



其中 $\begin{cases} 1-\theta \geq 0 \\ 5-\theta \geq 0 \\ \theta \geq 0 \end{cases}$