

⑧ We wish to do 3 jobs on a computer system. These jobs require different configurations of machinery. The cost required to switch the machinery from job i to job j is c_{ij} and is given in row i and column j

$$\begin{matrix} & \begin{matrix} 1 & 2 & 3 \end{matrix} \\ \begin{matrix} 1 \\ 2 \\ 3 \end{matrix} & \begin{pmatrix} - & 6 & 8 \\ 4 & - & 11 \\ 12 & 3 & - \end{pmatrix} \end{matrix}$$

⑨ calculate the cost of each possible order.

⑩ which order is cheapest?

$$1-2-3 \quad 6+11=17$$

$$1-3-2 \quad 8+3=11$$

$$2-3-1 \quad 11+12=23$$

$$2-1-3 \quad 4+9=12$$

$$3-1-2 \quad 12+6=18$$

$$3-2-1 \quad 3+4=7$$

3-2-1 is cheapest