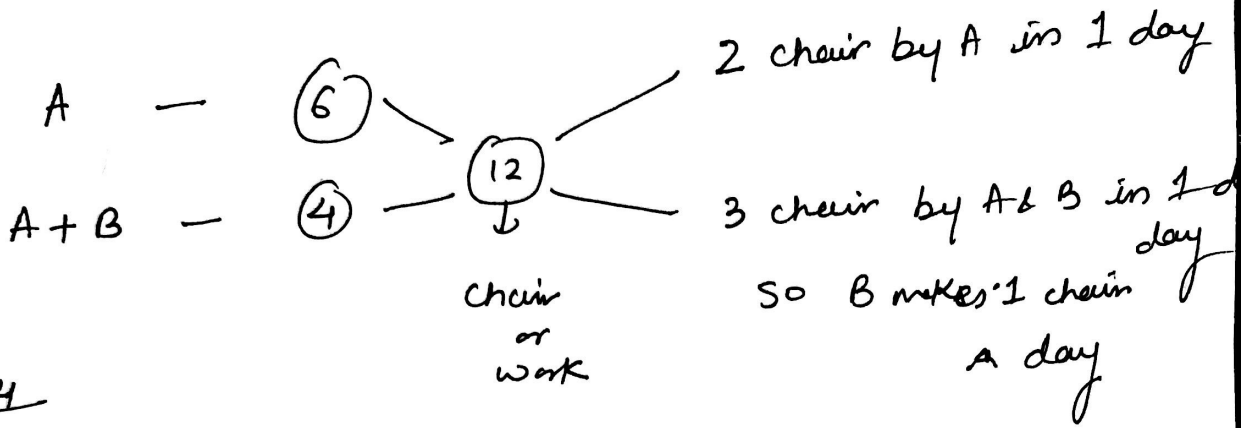


(5)



$$\begin{array}{r|l} 2 & 6, 4 \\ \hline 3 & 3, 2 \\ \hline 2 & 1, 2 \\ \hline & 1, 1 \end{array}$$

Ratio of A : B work = 2 : 1

$$A's \text{ share} = 300 \times \frac{2}{2+1} = 300 \times \frac{2}{3} = 200$$

$$B's \text{ share} = 300 \times \frac{1}{2+1} = 300 \times \frac{1}{3} = 100$$

(6)

$$S_1 = 3 \text{ km/hr}$$

$$S_2 = 5 \text{ km}$$

$$\text{late} = 32 \text{ min}$$

$$\text{early} = 28$$

$$D = \Delta t \frac{S_1 \cdot S_2}{S_1 - S_2}$$

$$= \frac{48}{60} \times \frac{3 \times 5}{2}$$

15

$$D = \frac{1}{2} \text{ km}$$