

Análise Combinatória

Pedro Henrique - CT II 348

1) GGN vice
2h, 1m 4h, 2m

chapa \rightarrow 1h e 1m

$$\begin{array}{ccccc} G & & \checkmark & & \\ H & 2 & M & 2 & 2 \cdot 2 = 4 \\ M & 1 & H & 4 & 4 \cdot 1 = 4 \\ & & & & 4 + 4 = 8 \end{array}$$

(c)

2) 300 — 500 3, 4, 5

$$\begin{array}{ccc} 2 & 2 & 1 \\ 3,4 & 3,4,5 & 3,4,5 \\ \text{↳ sem repetição} & & \end{array} \quad 2 \cdot 2 = 4$$

3) 300 — 500 3, 4, 5

$$\begin{array}{ccc} 2 & 3 & 3 \\ 3,4 & 3,4,5 & 3,4,5 \\ \text{↳ com repetição} & & \end{array} \quad 2 \cdot 3 \cdot 3 = 18$$

(E)

4) 2H 3M

$$\frac{M}{3} \frac{M}{2} \frac{M}{1} \frac{H}{2} \frac{H}{1}$$

$$3 \cdot 2 \cdot 1 \cdot 2 \cdot 1 = 12$$

5) A → B 3R 2F
B → C 2R 2F

$$\begin{array}{c} AB \\ R 3 \\ F 2 \end{array}$$

$$\begin{array}{c} BC \\ F 2 \\ R 2 \end{array}$$

$$\begin{array}{c} 3 \cdot 2 = 6 \\ 2 \cdot 2 = 4 \end{array}$$

$$6+4=10$$

(B)

6)

$$\begin{array}{c} 2 \quad 2 \quad 2 \\ \overline{2} \end{array}$$

$$2^8 = 2048$$

$$\begin{array}{c} 2 \quad 2 \quad 2 \\ -2 -2 -2 \quad 2 \\ \overline{2} \end{array}$$

(B)