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1- 2 7 6 5 4 3 2 1

$$P_8 - P_2 \cdot P_7 = 8! - (2!) (7!) = 40320 - 1080 = 30.240$$

2- 1 5 5 4 3 2 1 = $5 \cdot (5!) = 5 \cdot 120 = 600$ (D)

3- $P_5 = 5! = 120$ (A)

4- 1 7 6 5 4 3 2 1 1 = $P_7 = 7! = 5.040$ (C)

5- 2 5 4 3 2 1 1 = $2 \cdot (5!) = 2 \cdot 120 = 240$ (B)
(OaE)

$$6 - \underline{2} \underline{1} \underline{4} \underline{3} \underline{2} = 2 \cdot (4!) = 2 \cdot 24 = 48 \text{ (B)}$$

$$7 - \underline{4} \underline{5} \underline{4} \underline{3} \underline{2} \underline{1} \underline{3} \quad \# \text{ E se repete}$$

$$\cancel{4 \cdot 3 \cdot P_5^2} = 12 \cdot \frac{P_5}{P_2} = 12 \cdot \frac{5!}{2!} = 12 \cdot 5 \cdot 4 \cdot 3 = 12 \cdot 60 \\ = 720 \text{ (B)}$$

$$8 - P_5 - P_4 \cdot P_2 = 120 - 24 \cdot 2 = 120 - 48 = 72 \text{ (B)}$$

$$9 - \cancel{3 \cdot P_6^3} = 3 \cdot \frac{6!}{3!3!} = 3 \cdot \frac{6 \cdot 5 \cdot 4}{3 \cdot 2} = 3 \cdot 2 \cdot 5 \cdot 2 = 6 \cdot 10 = 60 \text{ (E)}$$

corre \rightarrow

meu