

# Análise Combinatória - Arranjos - Torre Básica

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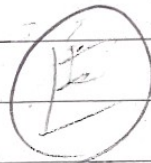
01 (UFSCAR)

$$A = B -$$

$$B = A -$$

$$3 \cdot 2 \cdot 1 = 3!$$

$$3! \cdot 3! = 36$$



02 (FEI) Para decidir por 5 times quem terminará em 5 ou 0

$$9 \cdot 8 \cdot 0 = 72$$

(P1-0) (P2-0-P1)

Terminado em 5:

$$8 \cdot 8 \cdot 5 = 64$$

(P1-0-5) (P2-5-P1)

$$72 + 64 = 136$$

03 (UFC)

3, 4 ou 6 algarismos

$$\begin{array}{c} \underline{2} \cdot \underline{4} \cdot \underline{3} \cdot \underline{2} \cdot \underline{1} = 48 \text{ numos} \\ 1^{\circ} \text{alg} \quad 2^{\circ} \text{alg} \quad 3^{\circ} \text{alg} \quad 4^{\circ} \text{alg} \quad 5^{\circ} \text{alg} \end{array}$$

com 6 i

$$\begin{array}{c} \underline{1} \cdot \underline{3} \cdot \underline{3} \cdot \underline{2} \cdot \underline{1} = 18 \text{ numos} \\ 1^{\circ} \text{alg} \quad 2^{\circ} \text{alg} \quad 3^{\circ} \text{alg} \quad 4^{\circ} \text{alg} \quad 5^{\circ} \text{alg} \end{array}$$

$$48 + 18 = 66$$

(B)

04 (FGV)

$$\begin{array}{c} \underline{1} \cdot \underline{4} \cdot \underline{6} \cdot \underline{7} \cdot \underline{6} = 1344 \\ 1^{\circ} \quad 2^{\circ} \quad 3^{\circ} \quad 4^{\circ} \quad 5^{\circ} \end{array}$$

(B)

05 (UNICÃO)

$$\begin{array}{c} \underline{30} \cdot \underline{29} \cdot \underline{28} = 24360 \\ 1^{\circ} \text{Hors} \quad 2^{\circ} \text{Hors} \quad 3^{\circ} \text{Hors} \end{array}$$

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