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$$01. A_{3,1} \cdot A_{2,1} \cdot A_{1,1} \cdot A_{3,1} \cdot A_{2,1} \cdot A_{1,1} = 3 \cdot 2 \cdot 1 \cdot 3 \cdot 2 \cdot 1 = (36 \text{ (a)})$$

$$02. \underline{C} \underline{d} \underline{U} \quad \text{Múltiplo de 5} \rightarrow U = 0 \text{ ou } U = 5$$

Para $U = 0$

(U)

Para $U = 5$

$$\underline{9} \cdot \underline{8} \cdot \underline{1}$$

$$\underline{8} \cdot \underline{8} \cdot \underline{1}$$

$$\rightarrow 72 + 64 = 136 \text{ (A)}$$

$$A_{9,1} = 9 \cdot 8 = 72$$

$$8 \cdot 8 = 64$$

$$03. 30.000 < x < 60.000$$

$$\{2, 4, 6, 8\}$$

(Ou)

$$60.000 < x < 65.000$$

$$\{2, 3, 4, 6, 7\}$$

$$\underline{2} \cdot \underline{4} \cdot \underline{3} \cdot \underline{2} \cdot \underline{1} = 48$$

$$\{3 \text{ ou } 4\}$$

(U)

$$\underline{1} \quad \underline{3} \quad \underline{3} \quad \underline{2} \quad \underline{1} = 18$$

$$\{6\} \quad \{45\}$$

$$48 + 18 = \boxed{66 \text{ (B)}}$$

$$04. \underline{1}$$

$$\{6\}$$

4 Possibilidades Para
Calcular o Algoritmo 7

$$\rightarrow 4 \cdot A_{8,3} = 4 \cdot 8 \cdot 7 \cdot 6 = \boxed{1344 \text{ (B)}}$$

$$05. A_{30,3} = \frac{30!}{(30-3)!} = \frac{30 \cdot 29 \cdot 28 \cdot \cancel{27!}}{27!} = \boxed{24.360}$$