

$$\binom{4}{2} \times 1! = \frac{4!}{2!2!} \times 1! = \frac{4!}{2} \quad (۲) \quad | \quad \frac{(n-1)!}{2} = \frac{3!}{2} \quad (۳) \quad | \quad (n-1)! = 3! \quad (۴) \quad | \quad 4! \quad (۱)$$

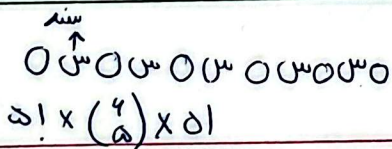
$$\frac{a}{\sqrt{}} > b > c > d > e > f \quad \binom{4}{2} \times 1! = \frac{4!}{2!2!} \times 1! = 94 \quad (۷) \quad | \quad \binom{4}{2} \times 3! = \frac{4!}{2!2!} \times 3! = 36 \quad (۹) \quad | \quad \binom{4}{2} \times 4! \quad (۱۰)$$

$$a \ b \ \boxed{cd} \ e \ f \quad 3! \times 2! = 24 \quad (۹) \quad | \quad a \ b \ \boxed{dc} \ e \ f \Rightarrow \boxed{3! = 12} \text{ د برابر است با } c \quad (۱۱)$$

$$a \ b \ \boxed{cde} \ f \quad 4! \times 3! = 4 \times 24 = 124 \quad (۱۱) \quad | \quad c > d > e \quad \frac{4!}{2!} = \frac{24}{2} = 12 \quad (۱۰)$$

$$\frac{4!}{3!} = 3! = 12 \quad (۱۲) \quad | \quad c > d > e \quad \frac{4!}{3!} = 3! = 12 \quad (۱۲)$$

$$\frac{4!}{2!2!} = \frac{24}{2} = 12 \quad (۱۳)$$



(۱۴)

$$2! \times 3! \times 3! \quad (۱۴)$$

$$4! \times 3! \quad (۱۵)$$

$$4! - (3! \times 3! + 4! \times 3!) = 24 - (6 \times 6 + 24 \times 6) = 24 - (36 + 144) = 24 - 180 = -156$$

$$\left. \begin{array}{l} B \ w \ B \ w \ B \ w \ B \ w \ B \ w \rightarrow 3! \times 3! \\ w \ B \ w \ B \ w \ B \ w \ B \ w \rightarrow 3! \times 3! \end{array} \right\} \Rightarrow 2 \times 3! \times 3! \quad (۱۹)$$

$$\Rightarrow 4! \times 3! \quad (۲۰)$$