

سما، وکلیف : 29

هم دستر A

م و نام خانوادگی : فاطمه زهرا علی زاده

$$\frac{(n-1)!}{2} = \frac{5!}{2} = 90 \quad (3)$$

$$(n-1)! = 5! = 120 \quad (2)$$

$$9! = 720 \quad (1)$$

$$\binom{4}{2} \times \frac{3!}{2} = \frac{4!}{2! \times 2!} \times \frac{3!}{2} = 45 \quad (4)$$

$$\binom{4}{2} \times 3! = \frac{4!}{2! \times 2!} \times 3! = 90 \quad (5)$$

$$P(4,2) = \frac{4!}{2!} = 240 \quad (6)$$

$$5! \times 2! = 240 \quad (9)$$

$$5! = 120 \leftarrow \boxed{cd} abef \quad (7)$$

$$\binom{4}{2} \times 2! = 2 \times 2 = 4 \quad (8)$$

$$\textcircled{c} \textcircled{d} \textcircled{e} \rightarrow \frac{4!}{2!} = 120 \quad (12)$$

$$\boxed{C, d, e} abf \rightarrow 3! \times 2! = 12 \quad (11)$$

$$\frac{4!}{2!} = 240 \quad (10)$$

$$5! \times 5! \times 2! = 24000 \quad (14)$$

$$5! \times 4! = 14400 \quad (15) \quad \frac{4!}{2! \times 2!} = 120 \quad (16)$$

$$\textcircled{c} \textcircled{d} \textcircled{e} = \frac{4!}{2!} = 12 \quad (13)$$

$$10! - (5! \times 4!) - 5! \times \binom{4}{2} \times 2! = 240000 \quad (17)$$

$$5! \times \binom{4}{2} \times 2! = 14400 \quad (18)$$

$$5! \times 4! = 24000 \quad (20)$$

$$2 \times 5! \times 5! = 24000 \quad (19)$$

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