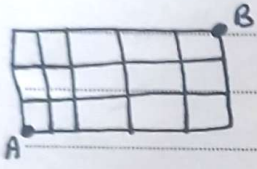


$$\frac{3!}{2!} = 3$$

$$\Rightarrow 4 + 3 \times 4 + 1 = 19$$

$$\frac{4!}{3!2!} = 3$$



$$\binom{3}{2} \binom{3}{2} = \frac{3 \times 2}{2} \times \frac{3 \times 2}{2} = 9$$

$$\frac{4!}{2!3!} = \frac{4 \times 3 \times 2}{2} = 6$$

$$\binom{4}{2} = 6$$

$$\frac{3!}{2!1!} + \frac{3!}{1!2!} + \frac{3!}{1!1!1!} = \frac{6}{2} + \frac{6}{2} + 6 = 9$$

همه :  $4! \times 4!$

صیح :  $4! \times 4! \binom{4}{3}$

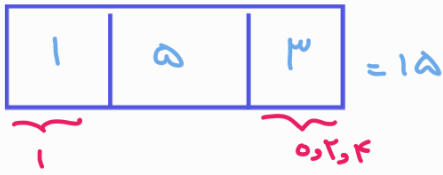
بعضی :  $11! - [(4! \times 4! \binom{4}{2}) + (4! \times 4!)]$

بانتظار :  $2 \times 5 \times 3 - 1 = 24$   
 (under 2: 2,4; under 5: 5,2,4; under 3: 3,4,5; under 1: خود 3)

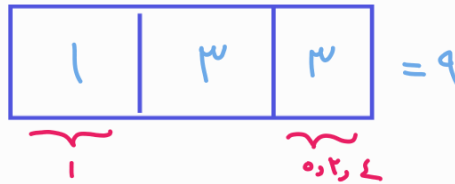
بانتظار :  $\begin{cases} 1 \times 2 \times 3 = 6 \\ 1 \times 3 \times 2 = 9 \end{cases} \rightarrow \text{صحت 15}$

4

بانتظار



بانتظار



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