

تساہیاتی

$$11! \times 1! + 10! \times 2! + 9! \times 3! + \dots + 1! \times 10! \quad (3)$$

$$5! \times 5! \times 5! \quad (6) \quad 3! \times 4! \times 4! \times 2! \quad (5) \quad 4! \times 4! \times 4! \quad (4)$$

$$\left\{ \begin{array}{l} 4 \times 3 \times 1 \\ 3 \times 3 \times 2 \end{array} \right. \quad (7) \quad 4 \times 4 \times 3 \quad (7) \quad 4 \times 5 \times 3 \quad (6) \quad 6 \text{ بدون تکرار} \quad (5)$$

$$1 \quad 3 \times 3 \times 2 \quad 4 \times 5 \times 2 \quad 3 \times 3 \times 2 \quad 3 \times 3 \times 2 \quad (9) \quad 3 \times 3 \times 2 \quad (8) \quad 3 \times 3 \times 2 \quad (7) \quad 3 \times 3 \times 2 \quad (6) \quad 3 \times 3 \times 2 \quad (5) \quad 3 \times 3 \times 2 \quad (4) \quad 3 \times 3 \times 2 \quad (3) \quad 3 \times 3 \times 2 \quad (2) \quad 3 \times 3 \times 2 \quad (1)$$

$$\left\{ \begin{array}{l} 1 \times 3 \times 3 \\ 2 \times 3 \times 3 \end{array} \right. \quad (10) \quad 1 \times 3 \times 3 \quad (10) \quad 1 \times 3 \times 3 \quad (9) \quad 1 \times 3 \times 3 \quad (8) \quad 1 \times 3 \times 3 \quad (7) \quad 1 \times 3 \times 3 \quad (6) \quad 1 \times 3 \times 3 \quad (5) \quad 1 \times 3 \times 3 \quad (4) \quad 1 \times 3 \times 3 \quad (3) \quad 1 \times 3 \times 3 \quad (2) \quad 1 \times 3 \times 3 \quad (1)$$

$$\left\{ \begin{array}{l} 2 \times 3 \\ 3 \times 3 \end{array} \right. \quad (11) \quad 1 \times 3 \times 2 \quad (11) \quad 1 \times 3 \times 2 \quad (10) \quad 1 \times 3 \times 2 \quad (9) \quad 1 \times 3 \times 2 \quad (8) \quad 1 \times 3 \times 2 \quad (7) \quad 1 \times 3 \times 2 \quad (6) \quad 1 \times 3 \times 2 \quad (5) \quad 1 \times 3 \times 2 \quad (4) \quad 1 \times 3 \times 2 \quad (3) \quad 1 \times 3 \times 2 \quad (2) \quad 1 \times 3 \times 2 \quad (1)$$

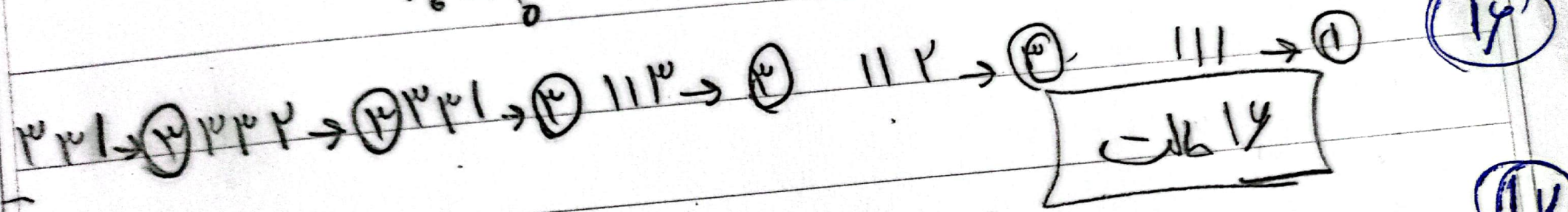
$$1 \times 3 \times 1 \quad 4 \times 5 \times 1 \quad 4 \times 3 \times 1 \quad (12) \quad 4 \times 3 \times 1 \quad (11) \quad 4 \times 3 \times 1 \quad (10) \quad 4 \times 3 \times 1 \quad (9) \quad 4 \times 3 \times 1 \quad (8) \quad 4 \times 3 \times 1 \quad (7) \quad 4 \times 3 \times 1 \quad (6) \quad 4 \times 3 \times 1 \quad (5) \quad 4 \times 3 \times 1 \quad (4) \quad 4 \times 3 \times 1 \quad (3) \quad 4 \times 3 \times 1 \quad (2) \quad 4 \times 3 \times 1 \quad (1)$$

$$\left\{ \begin{array}{l} 1 \times 3 \times 1 \\ 1 \times 3 \times 3 \end{array} \right. \quad (13) \quad 1 \times 3 \times 1 \quad (13) \quad 1 \times 3 \times 1 \quad (12) \quad 1 \times 3 \times 1 \quad (11) \quad 1 \times 3 \times 1 \quad (10) \quad 1 \times 3 \times 1 \quad (9) \quad 1 \times 3 \times 1 \quad (8) \quad 1 \times 3 \times 1 \quad (7) \quad 1 \times 3 \times 1 \quad (6) \quad 1 \times 3 \times 1 \quad (5) \quad 1 \times 3 \times 1 \quad (4) \quad 1 \times 3 \times 1 \quad (3) \quad 1 \times 3 \times 1 \quad (2) \quad 1 \times 3 \times 1 \quad (1)$$



DATE: _____

جواب با عراقی برابر است $\frac{6!}{3! \times 2!}$ **(۱۵)**



$\binom{6}{2} \binom{4}{2} = 90$

$\frac{1}{1} + \frac{1}{2} + \frac{1}{3} = 1 + \frac{1}{2} + \frac{1}{3} = \frac{6}{6} + \frac{3}{6} + \frac{2}{6} = \frac{11}{6}$ **(۱۰)**

$2^6 = 64$ **(۱۹)**

$\frac{1!}{1! \times 1!}$ **(۱۸)**