

تالیف ۲۹

به نام خدا

لیلیا و منی هم

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9
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$(6-1)! = 5! = 120$ (2) $6! = 720$ (1)

$\binom{6}{k} \times k! = \frac{6!}{k!} \times k! = 720$ (4) $\frac{(6-1)!}{2} = \frac{5!}{2} = 60$ (3)

$\binom{6}{k} \times \frac{(k-1)!}{2} = 120 \times \frac{6}{2} = 360$ (6) $\binom{6}{k} \times (k-1)! = 120$ (5)

$\binom{6}{k} b c d e f \rightarrow \binom{6}{k} \times k! = \binom{6}{1} \times 1! = 6$ (7)

$a b c d e f \rightarrow 5! \times 1! = 120$ (9) $a b d c e f \rightarrow 5!$ (8)

$a b c d e f \rightarrow 4! \times 3! = 144$ (11) $d c \rightarrow \frac{6!}{2!} = 360$ (10)

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$\frac{3!}{2!} = 12$ (13) $\frac{3!}{2!} = 12$ (14)

$\frac{5!}{4!} = 5$ (15) $\frac{5!}{4!} = 5$ (16)

$\frac{5!}{4!} = 5$ (17) $\frac{5!}{4!} = 5$ (18)

$\frac{5!}{4!} = 5$

(حالات فرد + حالات زوج) - كل حالات

$\rightarrow 1! - (2! + 2!) = 1! - 2(2!)$

$\frac{4!}{3!} = 4$ (19) $\frac{4!}{3!} = 4$