



Subject:

Year:

Month:

Date:

$\underline{d} \underline{c} \underline{a} \underline{b} \underline{e} \underline{f} - 9 \binom{6}{3} \times 3! = 90 - 9$

$6! = 720 - 1$

$5! \times 2 = 240$

$\binom{6}{2} \times 3! = 180 - 6$

$5! = 120 - 2$

$6! = 720 - 10$

$\binom{6}{1} \times 4! = 240 - 7$

$\frac{5!}{2} = 60 - 3$

$\binom{6}{4} \times 2! = 150 - 4$

$\textcircled{cde} a b e - 11 \underline{c} \underline{d} \underline{a} \underline{b} \underline{e} \underline{f} = 5! = 120$
 $3! \times 4! = 144$

$\frac{6!}{3!} = 120 \Rightarrow \textcircled{e} \textcircled{d} \textcircled{c} - 12$

$\frac{6!}{3!} = 120 \Rightarrow \textcircled{a} \textcircled{d} \textcircled{c} - 13$

$\frac{6!}{2! \cdot 2!} = 180 \Rightarrow \textcircled{a} \textcircled{d} \textcircled{e} \textcircled{c} - 14$

$\frac{6!}{5!} = 120 \Rightarrow \dots \dots \dots \textcircled{a} \textcircled{f} \textcircled{e} \dots - 15$

$\frac{6!}{2! \cdot 2!} = 180 \Rightarrow \dots \dots \dots \textcircled{a} \textcircled{f} \textcircled{e} \dots - 16$

$\binom{6}{4} \times 2! \times 2! = 150 - 17$
 $120 \dots$

$\text{کل} = 1 \cdot 1! (\dots + \dots + \dots) - 18$
 $\frac{2! \cdot 2! \times 2!}{\dots}$

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$$n! \cdot n! \times Y = Y \cdot n \cdot n \dots - 19$$

$$n! \cdot n! = Y \cdot n \cdot n \dots - Y.$$