

$(4-1)! = 3! = 3 \times 2 \times 1 = [120]$	۲	$4! = 4 \times 3 \times 2 \times 1 = [240]$	۱
$\binom{4}{k} \times k! = \frac{4!}{k!(4-k)!} \times k! = [140]$	۴	$\frac{(4-1)!}{p} = \frac{3!}{p} = [40]$	۲
$\binom{4}{k} \times \frac{(n-1)!}{p} = \frac{4!}{k!(4-k)!} \times \frac{3!}{p} = [140]$	۴	$\binom{4}{k} \times p! = \frac{4!}{k!(4-k)!} \times p! = [90]$	۳
$ab \boxed{cd} ef \rightarrow \omega! = [116]$	۸	$ab \times d \times ef$ $\binom{4}{\mu} \times k!$ $\frac{4!}{\mu!} \times k! = [94]$	۴
$\frac{4!}{p!} = \frac{4 \times 3 \times 2 \times 1}{p!} = [140]$	۱۰	$ab \boxed{cd} ef$ $\omega! \times p! = 120 \times p = [140]$	۵

<p>abcdef → 4!</p> <p>c d e → 3!</p> $\frac{4!}{3!} = \frac{4 \times 3 \times 2 \times 1}{3 \times 2 \times 1} = [1]_0$ <p>تعداد تعداد تعداد</p>	12	<p>ab ⊆ d e F</p> $F! \times 3! = \frac{F \times 11 \times 1}{11} \times \frac{3 \times 2 \times 1}{4} = 1 \times F$ <p>e/d/c/g/s/d</p>	11
<p>c e d a</p> $\frac{4!}{3! \times 1!} = \frac{4 \times 3 \times 2 \times 1}{3 \times 1 \times 1 \times 1} = [1]_0$	14	$\frac{4!}{3!} = [1]_0$	13
<p>○○○○○ ○○○○○</p> $4! \times 5! \times 6! = \frac{4 \times 3 \times 2 \times 1}{4} \times \frac{5 \times 4 \times 3 \times 2 \times 1}{4} \times \frac{6 \times 5 \times 4 \times 3 \times 2 \times 1}{4}$ $= [1]_{11} 000$	14	<p>○○○ ○○○○○○ ○○○</p> $4! \times 5! = \frac{4 \times 3 \times 2 \times 1}{4} \times \frac{5 \times 4 \times 3 \times 2 \times 1}{4} = [1]_{14} 000$	15
<p>ω - تعداد سبب و سبب</p> <p>↓</p> $10! - \left( \frac{4! \times 5!}{14 \times 100} \right) - (14 \times 100) =$ $3428800 - 172800 =$ $[1]_{14} 000$ <p>تعداد → ○○○○○○ ○○○○○○</p> <p>4! × 5!</p>	11	<p>x o x o x o x o x o x</p> $5! \times (4!) \times 5!$ <p>تعداد →</p> $\frac{5 \times 4 \times 3 \times 2 \times 1}{4} \times \frac{4 \times 3 \times 2 \times 1}{4} \times \frac{5 \times 4 \times 3 \times 2 \times 1}{4} = [1]_{14} 000$	14
<p>تعداد در میان تعداد</p> $\Rightarrow 5! \times F! = \frac{5 \times 4 \times 3 \times 2 \times 1}{4} \times \frac{4 \times 3 \times 2 \times 1}{4} =$ $\frac{5 \times 4 \times 3 \times 2 \times 1}{4} \times \frac{4 \times 3 \times 2 \times 1}{4} = [1]_{11} 00$	10	<p>تعداد در میان تعداد</p> $\Rightarrow 4! \times 5! \times 5! =$ $\frac{4 \times 3 \times 2 \times 1}{4} \times \frac{5 \times 4 \times 3 \times 2 \times 1}{4} \times \frac{5 \times 4 \times 3 \times 2 \times 1}{4} = [1]_{11} 000$ <p>تعداد در میان تعداد</p>	14