

$$\binom{7}{4} \times \frac{7!}{4!} = \binom{7}{4} \times \frac{7!}{4!} = \frac{7 \times 6 \times 5}{3!} \times \frac{7!}{4!}$$

⑧

$$= 35$$

Ⓛ

$$\text{⑨ } \boxed{00000} \boxed{00000} \\ 5! \times 5! \times 2! = 120 \times 120 \times 2 \\ = 28800$$

Ⓛ

6

$$\binom{7}{4} \times 4! = 7 \times 4! = 7 \times 24 = 168$$

$$\text{⑩ } \binom{7}{4} = \binom{7}{3}$$

Ⓛ

$$\text{⑪ } \boxed{0} \boxed{0} \boxed{0} \boxed{0} \boxed{0} \boxed{0} \\ \binom{6}{4} \times 5! \times 2! = \frac{6!}{4!} \times 5! \times 2! = 150 \times 120 \\ = 18000$$

Ⓛ

7

$$5! = 120 \quad ab \boxed{cd} ef$$

$$\text{⑫ } 2 \times 4!$$

Ⓛ

تعداد کل = (هیچ سببی + هر دو سبب) - کل سبب

$$\text{⑬ } 10! - 9! \times 5! - \binom{10}{4} \times 4! \times 5! \\ = 4! (5! - 5! - 5!) = 24 \times 120 = 2880$$

$$\begin{array}{r} 24 \\ \times 120 \\ \hline 480 \\ 2880 \\ \hline 3120 \end{array}$$

⑭ $\frac{4!}{2!} \times 5! \times 5! = 4! \times 5!$

Ⓛ

8

$$ab \boxed{cd} ef \quad 5! \times 2! = 120 \times 2 = 240$$

⑮

Ⓛ

$$\text{⑯ } 5! \times 5! \times 2! = 120 \times 120 \times 2 = 28800$$

Ⓛ

9

$$\text{⑰ } \frac{4!}{2!} = 6 \times 2 \times 2 \times 2 = 24$$

Ⓛ

$$\text{⑱ } 5! \times 4! = 120 \times 24 = 2880$$

Ⓛ

10