

	$6! (1)$ <u>۷۲۰</u>	۱
	$5! (2)$ <u>۱۲۰</u>	
	$\frac{5!}{2} (3)$ <u>۶۰</u>	۲
	$\binom{4}{2} \times 4! = \binom{4}{2} \times 4! = \frac{4 \times 3}{2 \times 1} \times 24 = \underline{۳۶}$	
	$\binom{4}{2} \times 3! = \binom{4}{2} \times 3! = \frac{4 \times 3}{2 \times 1} \times 6 = \underline{۹}$	۳
	$\binom{4}{2} \times \frac{3!}{2} = \binom{4}{2} \times \frac{3!}{2} = \frac{4 \times 3}{2 \times 1} \times 3 = \underline{۱۸}$	
	$\binom{4}{3} \times 4! = \binom{4}{1} \times 4! = 4 \times 24 = \underline{۹۶}$	۴
	$abcdef \Rightarrow 5! = \underline{۱۲۰}$	
	$ab \textcircled{c} def \Rightarrow 5! \times 2! = \underline{۲۴۰}$	۵
	$a \textcircled{b} \textcircled{c} \textcircled{d} ef \Rightarrow \frac{4!}{2!} = \underline{۳۶}$ <small>دو تا از b و c جدا می‌شوند</small>	

$$a b f \text{ (ede)} \Rightarrow 4! \times 3! = 144$$

(11)

6

$$\text{(c) (d) (e)} \Rightarrow \frac{4!}{3!} = 4$$

(12)

$$\text{(c) (d) (a)} \Rightarrow \frac{4!}{3!} = 4$$

(13)

7

$$\text{(c) (e) (d) (a)} \Rightarrow \frac{4!}{2! 2!} = 6$$

(14)

$$4! \times 5! \quad (15)$$

8

$$5! \times 5! \times 2! \quad (16)$$

$$\text{○○○○○○○○} \\ 5! \binom{7}{5} 5!$$

(17)

9

$$10! - 5! \binom{7}{5} 5! - 4! \times 5! \\ \text{همه کلمات} \rightarrow 4! \times 5! \\ \text{همه کلمات که} \rightarrow \binom{7}{5} \times 5! \times 5!$$

(18)

$$5! \times 5! \times 2!$$

(19)

$$5! \times 4!$$

(20)

10