

$\frac{5!}{3! \times 2!} = 10$       $\frac{5!}{3!} = 20$       $\frac{5!}{2! \times 2!} = 15$

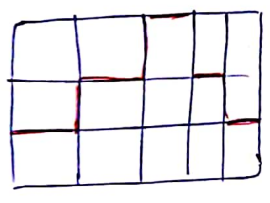
رتبه بندی  
 A ۱۷/۱۵

$\frac{3!}{3!} = 1$       $3 \times 2 \times 1 = 6$   
 $1 \times 2 = 2$       $3 \times 2 \times 1 = 6$   
 $1 \times 3 = 3$       $1 \times 2 \times 3 = 6$

- (15) 5
- (14) 5
- (13) 5
- (12) 5
- (11) 5

$\binom{4}{2} \times \binom{4}{2}$

$\frac{4!}{0! \times 3!}$



5 4

~~$1 \times 1 \rightarrow 1$   
 $2 \times 2 \rightarrow 2$   
 $3 \times 3 \rightarrow 3$~~

$\binom{4}{2} = 6$

بانبار:  $(4 \ 5 \ 5) = 100$      بانبار:  $(4 \ 4 \ 3) = 36$   
 $\nu: (4 \ 5 \ 3) = 4$       $\nu: \begin{cases} (3 \ 3 \ 2) = 18 \\ (4 \ 3 \ 1) = 12 \end{cases}$

~~$\nu: (4 \ 3 \ 2) = 12$   
 $\nu: (3 \ 3 \ 2) = 18$   
 $\nu: (4 \ 3 \ 2) = 12$   
 $\nu: (1 \ 3 \ 3) = 9$~~

$\nu: (1 \ 5 \ 2) = 1$

$\nu: (1 \ 5 \ 3) = 15$

$\nu: (4 \ 3 \ 3) = 32$

$\nu: (4 \ 5 \ 1) = 2$

$\nu: (1 \ 3 \ 3) = 9$

$\nu: \begin{cases} (4 \ 3 \ 3) = 12 \\ (4 \ 3 \ 3) = 12 \end{cases}$

$\nu: (4 \ 3 \ 1) = 12$

$\frac{4!}{3! \times 2!}$