

$$1! \times 4! = 1 \times 24 = 24$$

$$7! \times \binom{7}{4} \times 4! = 5040 \times 35 \times 24 = 352800$$

$$\binom{7}{4} = \frac{7 \times 6 \times 5 \times 4}{4 \times 3 \times 2 \times 1} = 35$$

$$11! = 39916800$$

$$39916800 - 352800 = 39564000$$

$$4! \times 3! \times 4! \times 1 = 24 \times 6 \times 24 \times 1 = 3456$$

$$2 \times 4! \times 4! \times 3! \times 9 = 2 \times 24 \times 24 \times 6 \times 9 = 24480$$

بسته تکرار:

$$4 \times 4 \times 4 = 64$$

بسته تکرار:

$$4 \times 5 \times 5 = 100$$

بسته تکرار:

$$4 \times 3 = 12$$

$$2 \times 3 \times 3 = 18$$

$$12 + 18 = 30$$

بسته تکرار:

$$4 \times 5 = 20$$

$$4 \times 5 \times 2 = 40$$

$$20 + 40 = 60$$

بسته تکرار:

$$2 \times 3 \times 3 = 18$$

بسته تکرار:

$$4 \times 5 \times 2 = 40$$

بسته تکرار:

$$3 + 3 + 3 = 9$$

$$3 + 3 + 3 = 9$$

$$9 + 9 = 18$$

بسته تکرار:

$$5 \times 3 = 15$$

$$5 \times 3 = 15$$

$$15 + 15 = 30$$

$$2 \times 3 = 6$$

$$5 \times 2 = 10$$

امیر رضا خودن

بہ تکرار:  $3+2+2=7$

بہ تکرار:  $5 \times 3 = 15$

صدگان شناخت بہ تکرار:  $54, 12, 2, 23, 32, 30$

بہ تکرار:  $7 \times 3 = 21$

$16$

بہ تکرار:  $4 \times 3 = 12$

بہ تکرار:  $4 \times 5 = 20$

$\frac{6!}{3!2!} = \frac{720}{6 \times 2} = \frac{720}{12} = 60$

$\frac{0!}{3!2!} = \frac{1 \times 1}{6 \times 2} = 10$    
 حالت ۲  $1112$

$\frac{0!}{3!} = \frac{1 \times 1}{6} = 2$    
 حالت ۱  $11123$

$20 + 10 + 20 = 50$

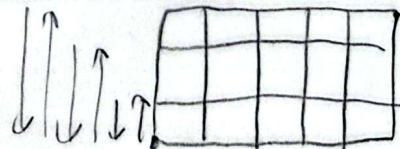
$\frac{0!}{2!2!} = \frac{1 \times 1}{4} = 2$    
 حالت ۳  $11233$

$\frac{3!}{3} + \frac{3!}{2!1!} + \frac{3!}{1!1!} + \frac{3!}{1!1!1!} + \frac{3!}{1!0!2!} + \frac{3!}{0!1!1!2!} = 1 + 3 + 3 + 6 + 3 + 3 = 19$

$\binom{4}{2} \times \binom{6}{2} = \frac{4 \times 3}{2} \times \frac{6 \times 5}{2} = 6 \times 15 = 90$

$\binom{8}{5} = \binom{8}{3} = \frac{8!}{5!3!} = \frac{8 \times 7 \times 6}{3 \times 2 \times 1} = 8 \times 7 = 56$

$56 - 18 = 38$



$1 \times 1 = 10$

$2 \times 2 = 1$

$3 \times 3 = 3$

$10 + 1 + 3 = 14$