

$8! \times 4!$

$11! - 8! \times 4! - 7! \times (4!) \times 4! = 11! - (8! \times 4!)$

$21! \times 4! \times 4! \times 3! =$ [شش شش شش] ف رف رف رف

$21! \times 3! \times 2! \times 4! \times 4! =$ [شش شش شش شش] (11)

بآترار : $\frac{4}{4} \frac{5}{5} \frac{5}{5} = 100$

بین تکرار : $\frac{4}{4} \frac{4}{4} \frac{3}{3} = 48$

بآترار : $\frac{4}{4} \frac{5}{5} \frac{3}{3} = 60$
(2, 4, 0)

بین تکرار : $\frac{4}{4} \frac{3}{3} \frac{1}{1} = 12$
 $\frac{3}{3} \frac{3}{3} \frac{2}{2} = 18$
} = 30

بآترار : $\frac{4}{4} \frac{5}{5} \frac{2}{2} = 40$
(1, 2)

بین تکرار : $\frac{3}{3} \frac{3}{3} \frac{2}{2} = 18$
(1, 2)

بآترار : $\frac{2}{2} \frac{5}{5} \frac{2}{2} - 1 = 29$
(2, 4) (2, 4, 0)

(9)

بین تکرار : $\frac{2}{2} \frac{3}{3} \frac{2}{2} = 12$
 $\frac{1}{1} \frac{3}{3} \frac{1}{1} = 3$
} = 15

بآترار : $\frac{1}{1} \frac{5}{5} \frac{2}{2} - 1 = 9$
(4) (1, 2)

بین تکرار : $\frac{1}{1} \frac{2}{2} \frac{2}{2} = 6$
(4) (1, 2)

(10)

بانتظار : $\frac{1}{(1)} \frac{5}{(2,3,0)} = 10$ بدون انتظار : $\frac{1}{(1)} \frac{3}{(2,3,0)} = 9$ 11

00, 04, 12, 20, 24, 32, 44, 40, نفس بغير انتظار : 12

بانتظار : $\frac{4}{\frac{6}{(2,3,0)}} = 24$ بدون انتظار : $\frac{2}{\frac{3}{(2,3,0)}} = 6$
 بدون انتظار : $\frac{3}{\frac{3}{(2,3,0)}} = 9$ } = 15

بانتظار : $\frac{4}{\frac{5}{(10)}} = 20$ بدون انتظار : $\frac{4}{\frac{3}{(10)}} = 12$ 13

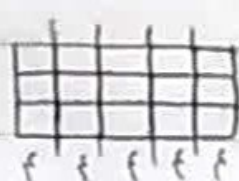
$$\left. \begin{aligned} 11122 &= \frac{5!}{3!} = 20 \\ 11222 &= \frac{5!}{2!2!} = 30 \\ 11122 &= \frac{5!}{3! \times 2!} = 10 \end{aligned} \right\} 60$$
15 $\frac{6!}{3! \times 2!} = 60$ 14

$111 = 1$ $112 = \frac{3!}{1!} = 3$ $113 = 3$ $122 = 6$ 16

$123 = 3$ $222 = 3$ → 19 حالات : 19

1111111 $\frac{7!}{5! \times 2!} = 21$ 18 $\binom{6}{2} \times \binom{6}{2} = 6 \times 15 = 90$ 17

$10 + 8 + 3 = 21$ 20 $f = 1024$ 19



1x1 2x2 3x3