المنسة برمعان

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Homework1 Probabilieyand statistic

①
$$r=2$$
 $n = \frac{n!}{r!(n-r)!} = \frac{250!}{2!(10-2)} = 31250$

② 000,11
$$n=3+2$$
 $r=2$

$$n_{r} = \frac{5!}{2!(5-1)} = 10$$

$$^{7}P_{r} = \frac{n!}{(n-r)!} = \frac{30!}{(30-3)!} = 24,360$$

$$5(6 \text{ choose}_3) = \frac{6!}{3!(6-3)} = 20$$

$$7 (6 \text{ choose 3}) = 6! = 20$$

$$3(6-3)!$$

$$3 \times (4 \text{ choose 2}) = 3 \times 4! = 18$$

$$2! + (4-2)!$$