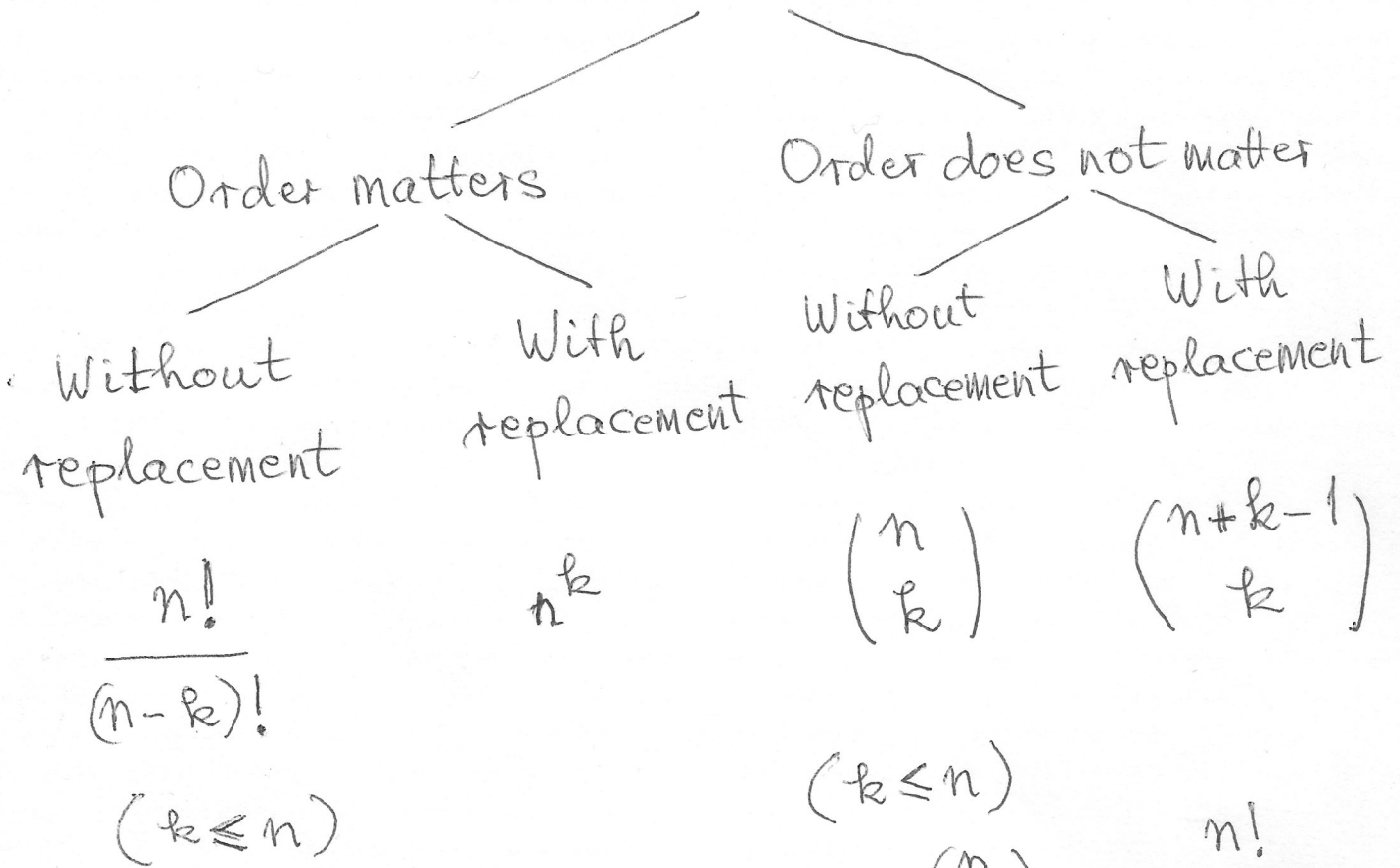


SAMPLING PROBLEMS

In how many ways can we select k objects out of n different objects?



$$\frac{n!}{(n-k)!}$$
$$(k \leq n)$$

$$n^k$$

$$\binom{n}{k}$$

$$\binom{n+k-1}{k}$$

$$(k \leq n)$$

where $\binom{n}{k} = \frac{n!}{k!(n-k)!}$

(Read: "n choose k")