Backtracking

Permutations & Combinations

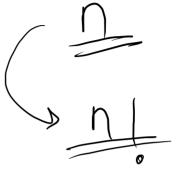
[1,2,3] Permutations

Combination of size K=2

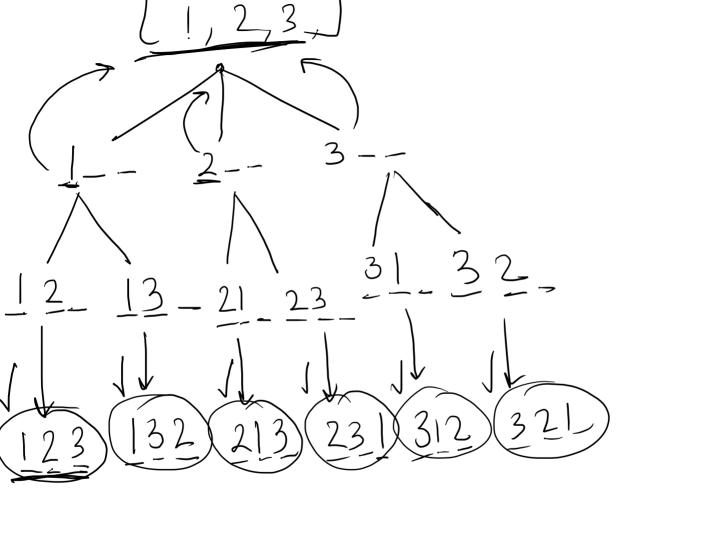
$$[1,2,3]$$
 $[1,3]$
 $[1,3]$

Permutations

[1,2,3]



 $3\times2\times1=6$



(pombination) $\left[1,2,3\right]$ [1,2][1,3][2,3]

L!, 2, 3, 4] 21,33, 21,43, 22,33, 22,43, 23,437