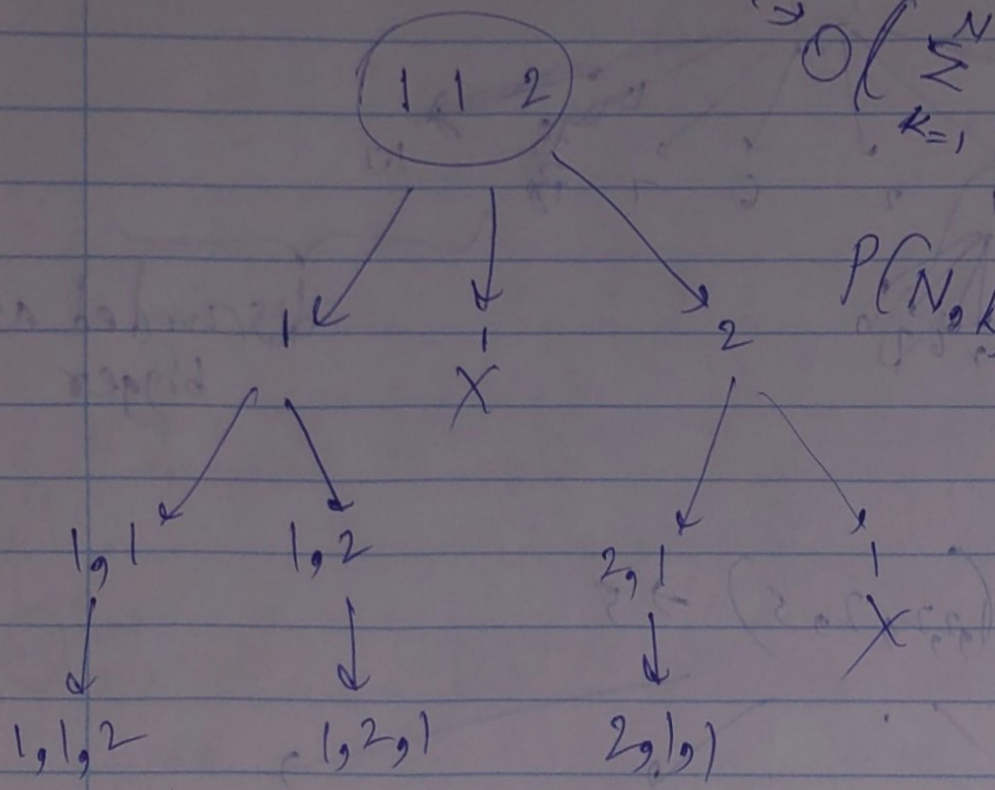
* Permutations

Space → $O(N)$ $O(N \cdot N!)$ with the space for result.

Time → $O\left(\sum_{k=1}^{N} P(N,k)\right)$

$$P(N,k) = \frac{N!}{(N-k)!}$$



Can use a map to store keys with # of occurances. You have to keep reducing value without deleting key if # of occurances become 0.

Can Sort & then check eligible permutations like permutations

- Sort the array and use a Array to check value is visited or not. If value is same as previous & previous has not visited, don't do anything.