

Given a set of positive integers, find all its subsets.

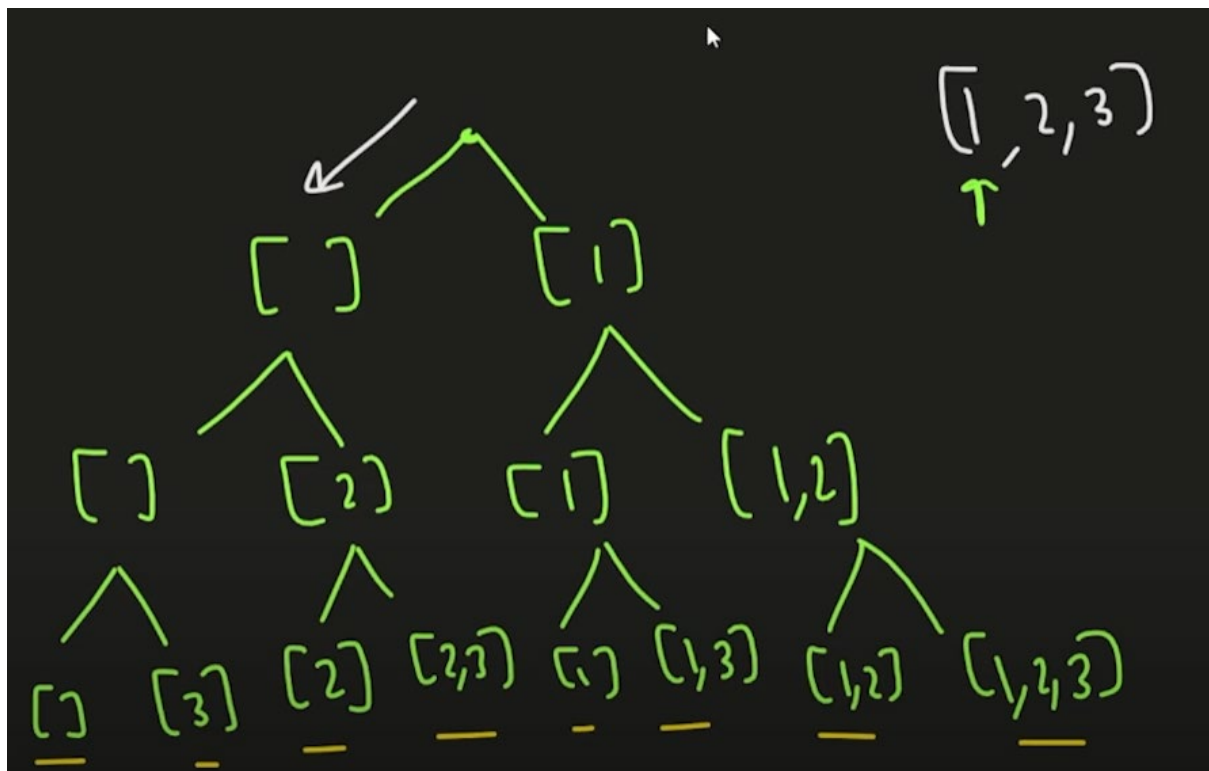
Your task :

You don't have to read input or print anything. Your task is to complete the function **subsets()** which takes the array of integers as input and returns the list of list containing the subsets of the given set of numbers in lexicographical order.

Expected Time Complexity: $O(2^n)$

Expected Auxiliary Space: $O(2^n \times \text{length of each subset})$

Idea:



For every element, we have 2 options – include it or exclude it. Thus we form a tree (recursion), and the leaves become all the possible subsets.

https://www.youtube.com/watch?v=tzdNwaK68zA&ab_channel=GeeksforGeeksPractice