Find All Subsets of Array with duplicate elements [LeetCode](https://leetcode.com/problems/subsets-ii/)

This program focuses on generating subsets of a given array while handling duplicate elements. The objective is to create a set of all possible subsets where each subset can contain duplicate elements.

**Approach 1: Function to find all subsets of 'nums' with duplicates using the backtracking approach**

* Sort the input array to group duplicate elements together.
* Use a recursive backtracking function to generate subsets.
* At each index, decide whether to include or exclude the current element in the subset.
* Avoid duplicates by checking whether the current subset already exists in the result.
* **Time Complexity: O(2^n \* n), where 'n' is the size of the input array due to the nested loops and duplicate checking.**
* **Space Complexity: O(2^n \* n), considering the space required for the subsets and result.**

**Approach 2: Function to find all subsets of 'nums' with duplicates using the backtracking approach (alternative implementation)**

* Sort the input array to group duplicate elements together.
* Use a recursive backtracking function that skips duplicate elements.
* At each index, decide whether to include the current element in the subset, avoiding duplicates.
* **Time Complexity: O(2^n \* n), where 'n' is the size of the input array due to the recursive function.**
* **Space Complexity: O(2^n \* n), considering the space required for the subsets and result.**

**Approach 3: Function to find the power set using the Bitwise approach**

* Calculate the total number of subsets using bitwise left shift.
* Iterate through all possible subset combinations using bitwise operations.
* Construct subsets by including elements corresponding to set bits.
* Avoid duplicates by checking whether the current subset already exists in the result.
* **Time Complexity: O(2^n \* n), where 'n' is the size of the input array due to nested loops and duplicate checking.**
* **Space Complexity: O(2^n \* n), considering the space required for the subsets and result**