**39. Combination Sum**

Given an array of **distinct** integers candidates and a target integer target, return *a list of all****unique combinations****of*candidates*where the chosen numbers sum to*target*.* You may return the combinations in **any order**.

The **same** number may be chosen from candidates an **unlimited number of times**. Two combinations are unique if the frequency of at least one of the chosen numbers is different.

It is **guaranteed** that the number of unique combinations that sum up to target is less than 150 combinations for the given input.

**Input:** candidates = [2,3,6,7], target = 7

**Output:** [[2,2,3],[7]]

**Explanation:**

2 and 3 are candidates, and 2 + 2 + 3 = 7. Note that 2 can be used multiple times.

7 is a candidate, and 7 = 7.

These are the only two combinations.

**40. Combination Sum II**

Given a collection of candidate numbers (candidates) and a target number (target), find all unique combinations in candidates where the candidate numbers sum to target.

Each number in candidates may only be used **once** in the combination.

**Note:** The solution set must not contain duplicate combinations.

**Input:** candidates = [10,1,2,7,6,1,5], target = 8

**Output:**

[

[1,1,6],

[1,2,5],

[1,7],

[2,6]

]

**78. Subsets**

Given an integer array nums of **unique** elements, return *all possible subsets (the power set)*.

The solution set **must not** contain duplicate subsets. Return the solution in **any order**.

**Input:** nums = [1,2,3]

**Output:** [[],[1],[2],[1,2],[3],[1,3],[2,3],[1,2,3]]

**90. Subsets II**

Given an integer array nums that may contain duplicates, return *all possible subsets (the power set)*.

The solution set **must not** contain duplicate subsets. Return the solution in **any order**.

**Input:** nums = [1,2,2]

**Output:** [[],[1],[1,2],[1,2,2],[2],[2,2]]

**46. Permutations**

Given an array nums of distinct integers, return *all the possible permutations*. You can return the answer in **any order**.

**Input:** nums = [1,2,3]

**Output:** [[1,2,3],[1,3,2],[2,1,3],[2,3,1],[3,1,2],[3,2,1]]