46. Permutations

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

Example 1:

Input: nums = [1,2,3]

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

Example 2:

Input: nums = [0,1]

Output: [[0,1],[1,0]]

Example 3:

Input: nums = [1]

Output: [[1]]

Constraints:

1 <= nums.length <= 6

-10 <= nums[i] <= 10

All the integers of nums are unique.