**[4Sum](https://leetcode.com/problems/4sum/)**

Given an array nums of n integers, return *an array of all the****unique****quadruplets* [nums[a], nums[b], nums[c], nums[d]] such that:

* 0 <= a, b, c, d < n
* a, b, c, and d are **distinct**.
* nums[a] + nums[b] + nums[c] + nums[d] == target

You may return the answer in **any order**.

**Example 1:**

**Input:** nums = [1,0,-1,0,-2,2], target = 0

**Output:** [[-2,-1,1,2],[-2,0,0,2],[-1,0,0,1]]

**Example 2:**

**Input:** nums = [2,2,2,2,2], target = 8

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

**Constraints:**

* 1 <= nums.length <= 200
* -109 <= nums[i] <= 109
* -109 <= target <= 109