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

*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*