4Sum

Try to solve the 4Sum problem.

We'll cover the following
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Statement

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 we get the following:

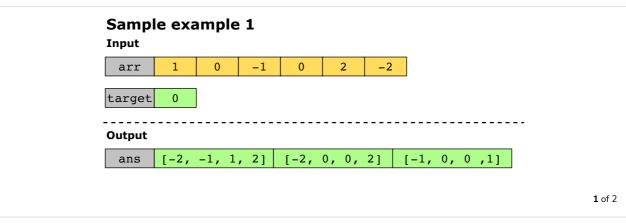
- $0 \le a$, b, c, d < n
- a, b, c, and d are distinct.
- nums[a] + nums[b] + nums[c] + nums[d] = target

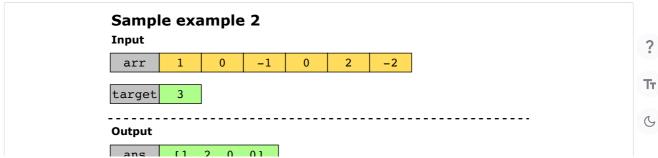
You may return the answer in any order.

Constraints:

- $1 \leq {\sf nums.length} \leq 200$
- \bullet $-10^9 \le$ nums[i] $\le 10^9$
- \bullet $-10^9 \leq { target} \leq 10^9$

Examples

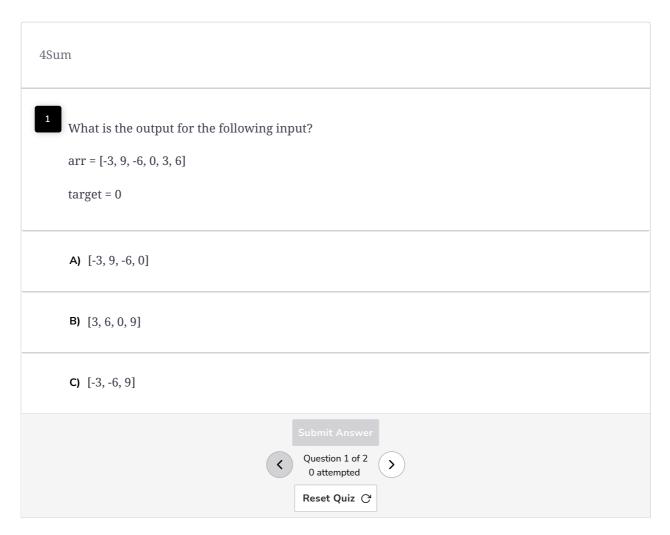






Understand the problem

Let's take a moment to make sure you've correctly understood the problem. The quiz below helps you check if you're solving the correct problem:



Try it yourself

Implement your solution in the following coding playground:

