



链滴

[1] Two Sum

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原文链接: <https://ld246.com/article/1544887569313>

来源网站: [链滴](#)

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题目

Two Sum

Given an array of integers, return **indices** of the two numbers such that they add up to a specific target.

You may assume that each input would have **exactly** one solution, and you may not use the **same** element twice.

Example:

Given `nums = [2, 7, 11, 15]`, `target = 9`,

Because `nums[0] + nums[1] = 2 + 7 = 9`,
return `[0, 1]`.

解法

一：暴力搜索

两个for循环即可

二：使用HashMap

思路

for循环数组，从HashMap中查找结果，找到则返回结果，否则将该位放入HashMap

代码

```
class Solution {
    public int[] twoSum(int[] nums, int target) {
        HashMap<Integer, Integer> map = new HashMap<>();
        int[] result = new int[2];
        map.put(nums[0], 0);
        for (int i = 1; i < nums.length; i++) {
            boolean key = map.containsKey(target - nums[i]);
            if (key) {
                result[0] = map.get(target - nums[i]);
                result[1] = i;
                break;
            }
            map.put(nums[i], i);
        }
        return result;
    }
}
```