

# 1. Two Sum

Easy,  
Array, Hash table.

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  $\text{nums}[0] + \text{nums}[1] = 2 + 7 = 9$ ,  
return [0, 1].

## 解法

java

```
class Solution {
    public int[] twoSum(int[] nums, int target) {
        int len = nums.length;
        int[] res = new int[2];
        for(int i=0; i<len-1; i++){
            for(int j=i+1; j<len; j++){
                if(nums[i]+nums[j]==target) {
                    res[0]=i;
                    res[1]=j;
                    break;
                }
            }
        }
        return res;
    }
}
```

```
}  
}
```