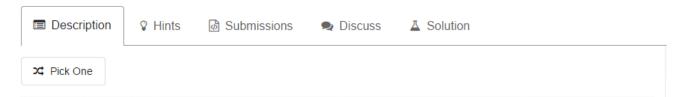# 167. Two Sum II - Input array is sorted

⤬ Pick One

Given an array of integers that is already **sorted in ascending order**, find two numbers such that they add up to a specific target number.

The function twoSum should return indices of the two numbers such that they add up to the target, where index1 must be less than index2.

Note:

- Your returned answers (both index1 and index2) are not zero-based.
- You may assume that each input would have *exactly* one solution and you may not use the *same* element twice.

Example:

```
Input: numbers = [2,7,11,15], target = 9
Output: [1,2]
Explanation: The sum of 2 and 7 is 9. Therefore index1 = 1, index2 = 2.
```

```java
public class L167 {
    public int[] twoSum(int[] numbers, int target) {
        int [] temp = new int [2];

        HashMap<Integer, Integer> hashMap = new HashMap<>();
        for(int i = 0; i < numbers.length; i ++) {
            if(hashMap.containsKey(target - numbers[i])) {
                temp[0] = hashMap.get(target - numbers[i]);
                temp[1] = i + 1;
                break;
            }else {
                hashMap.put(numbers[i], i+1);
            }
        }
        return temp;
    }
}
```