

# Problem 3038: Maximum Number of Operations With the Same Score I

## Problem Information

**Difficulty:** Easy

**Acceptance Rate:** 52.46%

**Paid Only:** No

**Tags:** Array, Simulation

## Problem Description

You are given an array of integers `nums`. Consider the following operation:

- \* Delete the first two elements `nums` and define the `_score_` of the operation as the sum of these two elements.

You can perform this operation until `nums` contains fewer than two elements. Additionally, the `**same** _score_` must be achieved in `**all**` operations.

Return the `**maximum**` number of operations you can perform.

**Example 1:**

**Input:** nums = [3,2,1,4,5]

**Output:** 2

**Explanation:**

- \* We can perform the first operation with the score  $3 + 2 = 5$ . After this operation, `nums = [1,4,5]` .
- \* We can perform the second operation as its score is  $4 + 1 = 5$ , the same as the previous operation. After this operation, `nums = [5]` .
- \* As there are fewer than two elements, we can't perform more operations.

**Example 2:**

**\*\*Input:\*\*** nums = [1,5,3,3,4,1,3,2,2,3]

**\*\*Output:\*\*** 2

**\*\*Explanation:\*\***

- \* We can perform the first operation with the score `1 + 5 = 6`. After this operation, `nums = [3,3,4,1,3,2,2,3]`.
- \* We can perform the second operation as its score is `3 + 3 = 6`, the same as the previous operation. After this operation, `nums = [4,1,3,2,2,3]`.
- \* We cannot perform the next operation as its score is `4 + 1 = 5`, which is different from the previous scores.

**\*\*Example 3:\*\***

**\*\*Input:\*\*** nums = [5,3]

**\*\*Output:\*\*** 1

**\*\*Constraints:\*\***

- \* `2 <= nums.length <= 100`
- \* `1 <= nums[i] <= 1000`

## Code Snippets

**C++:**

```
class Solution {
public:
    int maxOperations(vector<int>& nums) {
        }
    };
```

**Java:**

```
class Solution {
public int maxOperations(int[] nums) {
        }
    }
```

**Python3:**

```
class Solution:  
    def maxOperations(self, nums: List[int]) -> int:
```