

### 976. Largest Perimeter Triangle

Easy

897

86

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Given an integer array `nums` , return *the largest perimeter of a triangle with a non-zero area, formed from three of these lengths*. If it is impossible to form any triangle of a non-zero area, return `0` .

#### Example 1:

**Input:** `nums = [2,1,2]`  
**Output:** `5`

#### Example 2:

**Input:** `nums = [1,2,1]`  
**Output:** `0`

#### Constraints:

- `3 <= nums.length <= 104`
- `1 <= nums[i] <= 106`

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```
1 class Solution {
2     public int largestPerimeter(int[] nums) {
3
4         Arrays.sort(nums);
5
6         for (int i = nums.length - 3; i >= 0; i--)
7             if (nums[i] + nums[i+1] > nums[i+2])
8                 return nums[i] + nums[i+1] + nums[i+2];
9
10        return 0;
11    }
12 }
13 }
```

⋮

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Testcase

Run Code Result

Debugger 🔒

Accepted

Runtime: 0 ms

?

Your input

[2,1,2]

Output

5

☐ Diff

Expected

5