

6316. Rearrange Array to Maximize Prefix Score

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You are given a **0-indexed** integer array `nums`. You can rearrange the elements of `nums` to **any order** (including the given order).

Let `prefix` be the array containing the prefix sums of `nums` after rearranging it. In other words, `prefix[i]` is the sum of the elements from `0` to `i` in `nums` after rearranging it. The **score** of `nums` is the number of positive integers in the array `prefix`.

Return *the maximum score you can achieve*.

User Accepted:	9303
User Tried:	11073
Total Accepted:	9589
Total Submissions:	26751
Difficulty:	Medium

Example 1:

**Input:** `nums = [2,-1,0,1,-3,3,-3]`  
**Output:** `6`  
**Explanation:** We can rearrange the array into `nums = [2,3,1,-1,-3,0,-3]`.  
`prefix = [2,5,6,5,2,2,-1]`, so the score is 6.  
It can be shown that 6 is the maximum score we can obtain.

Example 2:

**Input:** `nums = [-2,-3,0]`  
**Output:** `0`  
**Explanation:** Any rearrangement of the array will result in a score of 0.

Constraints:

- $1 \leq \text{nums.length} \leq 10^5$
- $-10^6 \leq \text{nums}[i] \leq 10^6$

Python

```
1 class Solution(object):
2     def maxScore(self, nums):
3         """
4         :type nums: List[int]
5         :rtype: int
6         """
7         nums.sort(reverse=True)
8         sum = 0
9         count = 0
10        for i in range(len(nums)):
11            sum += nums[i]
12            if sum > 0:
13                count += 1
14        return count
15
```

☐ Custom Testcase

Use Example Testcases

Run

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