

3667. Sort Array By Absolute Value Premium

Solved ●

Easy  Hint

You are given an integer array `nums`.

Rearrange elements of `nums` in **non-decreasing** order of their absolute value.

Return **any** rearranged array that satisfies this condition.

Note: The absolute value of an integer x is defined as:

- x if $x \geq 0$
- $-x$ if $x < 0$

Example 1:

Input: `nums = [3,-1,-4,1,5]`

Output: `[-1,1,3,-4,5]`

Explanation:

- The absolute values of elements in `nums` are 3, 1, 4, 1, 5 respectively.
- Rearranging them in increasing order, we get 1, 1, 3, 4, 5.
- This corresponds to `[-1, 1, 3, -4, 5]`. Another possible rearrangement is `[1, -1, 3, -4, 5]`.

Example 2:

Input: `nums = [-100,100]`

Output: `[-100,100]`

Explanation:

- The absolute values of elements in `nums` are 100, 100 respectively.
- Rearranging them in increasing order, we get 100, 100.
- This corresponds to `[-100, 100]`. Another possible rearrangement is `[100, -100]`.

Constraints:

- `1 <= nums.length <= 100`
- `-100 <= nums[i] <= 100`

Seen this question in a real interview before? 1/5

Yes No

Accepted **347** / 417 | Acceptance Rate **83.2** %

Hint 1

Discussion (2)