

280. Wiggle Sort

Premium

Medium

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Given an integer array `nums`, reorder it such that `nums[0] <= nums[1] >= nums[2] <= nums[3] ...`.

You may assume the input array always has a valid answer.

Example 1:

Input: `nums = [3,5,2,1,6,4]`
Output: `[3,5,1,6,2,4]`
Explanation: `[1,6,2,5,3,4]` is also accepted.

Example 2:

Input: `nums = [6,6,5,6,3,8]`
Output: `[6,6,5,6,3,8]`

Constraints:

- `1 <= nums.length <= 5 * 104`
- `0 <= nums[i] <= 104`
- It is guaranteed that there will be an answer for the given input `nums`.

Follow up: Could you solve the problem in $O(n)$ time complexity?

Seen this question in a real interview before? 1/4

[Yes](#) [No](#)

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