

324. Wiggle Sort II

Description

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 = [1,5,1,1,6,4]`

Output: `[1,6,1,5,1,4]`

Explanation: `[1,4,1,5,1,6]` is also accepted.

Example 2:

Input: `nums = [1,3,2,2,3,1]`

Output: `[2,3,1,3,1,2]`

Constraints:

- `1 <= nums.length <= 5 * 104`
- `0 <= nums[i] <= 5000`
- It is guaranteed that there will be an answer for the given input `nums`.

Follow Up: Can you do it in `O(n)` time and/or **in-place** with `O(1)` extra space?

