2164. Sort Even and Odd Indices Independently

Description

You are given a **0-indexed** integer array `nums`. Rearrange the values of `nums` according to the following rules:

1. Sort the values at **odd indices** of `nums` in **non-increasing** order.
    - For example, if `nums = [4, 1 ,2, 3 ]` before this step, it becomes `[4, 3 ,2, 1 ]` after. The values at odd indices `1` and `3` are sorted in non-increasing order.
2. Sort the values at **even indices** of `nums` in **non-decreasing** order.
    - For example, if `nums = [ 4 ,1, 2 ,3]` before this step, it becomes `[ 2 ,1, 4 ,3]` after. The values at even indices `0` and `2` are sorted in non-decreasing order.

Return *the array formed after rearranging the values of* `nums`.

Example 1:

```
Input: nums = [4,1,2,3]
Output: [2,3,4,1]
Explanation:
First, we sort the values present at odd indices (1 and 3) in non-increasing order.
So, nums changes from [4, 1 ,2, 3 ] to [4, 3 ,2, 1 ].
Next, we sort the values present at even indices (0 and 2) in non-decreasing order.
So, nums changes from [ 4 ,1, 2 ,3] to [ 2 ,3, 4 ,1].
Thus, the array formed after rearranging the values is [2,3,4,1].
```

Example 2:

```
Input: nums = [2,1]
Output: [2,1]
Explanation:
Since there is exactly one odd index and one even index, no rearrangement of values takes place.
The resultant array formed is [2,1], which is the same as the initial array.
```

Constraints:

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