1968. Array With Elements Not Equal to Average of Neighbors

Description

You are given a **0-indexed** array `nums` of **distinct** integers. You want to rearrange the elements in the array such that every element in the rearranged array is **not** equal to the **average** of its neighbors.

More formally, the rearranged array should have the property such that for every `i` in the range `1 <= i < nums.length - 1`, `(nums[i-1] + nums[i+1]) / 2` is **not** equal to `nums[i]`.

Return ***any*** *rearrangement of* `nums` *that meets the requirements*.

Example 1:

```
Input: nums = [1,2,3,4,5]
Output: [1,2,4,5,3]
Explanation:
When i=1, nums[i] = 2, and the average of its neighbors is (1+4) / 2 = 2.5.
When i=2, nums[i] = 4, and the average of its neighbors is (2+5) / 2 = 3.5.
When i=3, nums[i] = 5, and the average of its neighbors is (4+3) / 2 = 3.5.
```

Example 2:

```
Input: nums = [6,2,0,9,7]
Output: [9,7,6,2,0]
Explanation:
When i=1, nums[i] = 7, and the average of its neighbors is (9+6) / 2 = 7.5.
When i=2, nums[i] = 6, and the average of its neighbors is (7+2) / 2 = 4.5.
When i=3, nums[i] = 2, and the average of its neighbors is (6+0) / 2 = 3.
```

Constraints:

- `3 <= nums.length <= 10^5`
- `0 <= nums[i] <= 10^5`