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 <= 105
* 0 <= nums[i] <= 105