

5591. Rearrange Array Elements by Sign

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You are given a **0-indexed** integer array `nums` of **even** length consisting of an **equal** number of positive and negative integers.

You should **rearrange** the elements of `nums` such that the modified array follows the given conditions:

- Every **consecutive pair** of integers have **opposite signs**.
- For all integers with the same sign, the **order** in which they were present in `nums` is **preserved**.
- The rearranged array begins with a positive integer.

Return the modified array after rearranging the elements to satisfy the aforementioned conditions.

User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Medium

Example 1:

Input: `nums = [3,1,-2,-5,2,-4]`
Output: `[3,-2,1,-5,2,-4]`
Explanation:
The positive integers in `nums` are `[3,1,2]`. The negative integers are `[-2,-5,-4]`.
The only possible way to rearrange them such that they satisfy all conditions is `[3,-2,1,-5,2,-4]`.
Other ways such as `[1,-2,2,-5,3,-4]`, `[3,1,2,-2,-5,-4]`, `[-2,3,-5,1,-4,2]` are incorrect because they do not satisfy one of the conditions.

Example 2:

Input: `nums = [-1,1]`
Output: `[1,-1]`
Explanation:
1 is the only positive integer and -1 the only negative integer in `nums`.
So `nums` is rearranged to `[1,-1]`.

Constraints:

- `2 <= nums.length <= 2 * 105`
- `nums.length` is **even**
- `1 <= |nums[i]| <= 105`
- `nums` consists of **equal** number of positive and negative integers.

JavaScript

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```
1 const rearrangeArray = (a) => {
2   let n = a.length, m = n / 2, pos = [], neg = [], res = [], p = 0;
3   for (const x of a) {
4     if (x < 0) {
5       neg.push(x);
6     } else if (x > 0) {
7       pos.push(x);
8     }
9   }
10  while (res.length < n) {
11    res.push(pos[p]);
12    res.push(neg[p]);
13    p++;
14  }
15  return res;
16 };
```

☐ Custom Testcase

Use Example Testcases

Run

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