

Description

Solution

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## 905. Sort Array By Parity

Easy

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Given an integer array `nums` , move all the even integers at the beginning of the array followed by all the odd integers.

Return **any array** that satisfies this condition.

### Example 1:

**Input:** `nums = [3,1,2,4]`

**Output:** `[2,4,3,1]`

**Explanation:** The outputs `[4,2,3,1]`, `[2,4,1,3]`, and `[4,2,1,3]` would also be accepted.

### Example 2:

**Input:** `nums = [0]`

**Output:** `[0]`

### Constraints:

- 1 <= `nums.length` <= 5000
- 0 <= `nums[i]` <= 5000

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```
1  class Solution {
2      public int[] sortArrayByParity( int[] nums ) {
3
4          int firstPointer = 0;
5          int secondPointer = 1;
6
7          if (nums.length == 0 || nums.length == 1)
8              return nums;
9
10         for (int i = 0; i < nums.length - 1; i++) {
11
12             if (nums[secondPointer] % 2 == 0 && nums[firstPointer] % 2
13                 != 0) {
14                 int temp = nums[secondPointer];
15                 nums[secondPointer] = nums[firstPointer];
16                 nums[firstPointer] = temp;
17
18                 firstPointer++;
19             }else if(nums[firstPointer] % 2 == 0)
20                 firstPointer++;
21
22             secondPointer++;
23         }
24
25         return nums;
26     }
27 }
```

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