

Problem 905: Sort Array By Parity

Problem Information

Difficulty: Easy

Acceptance Rate: 76.37%

Paid Only: No

Tags: Array, Two Pointers, Sorting

Problem Description

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`

Code Snippets

C++:

```
class Solution {
public:
    vector<int> sortArrayByParity(vector<int>& nums) {
```

```
    }  
};
```

Java:

```
class Solution {  
public int[] sortArrayByParity(int[] nums) {  
  
}  
}
```

Python3:

```
class Solution:  
def sortArrayByParity(self, nums: List[int]) -> List[int]:
```