

Description
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922. Sort Array By Parity II Solved

Easy
Topics
Companies

Given an array of integers `nums`, half of the integers in `nums` are **odd**, and the other half are **even**.

Sort the array so that whenever `nums[i]` is odd, `i` is **odd**, and whenever `nums[i]` is even, `i` is **even**.

Return *any* answer array that satisfies this condition.

Example 1:

Input: `nums = [4,2,5,7]`
Output: `[4,5,2,7]`
Explanation: `[4,7,2,5]`, `[2,5,4,7]`, `[2,7,4,5]` would also have been accepted.

Example 2:

Input: `nums = [2,3]`
Output: `[2,3]`

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All Submissions

Accepted
Zhukovilya submitted at Jun 30, 2024 13:46
Editorial
Solution

Runtime: 144 ms, Beats 39.00%
Memory: 55.26 MB, Beats 90.00%

10%
5%
0%
122ms
130ms
136ms
141ms
146ms
151ms
161ms

Code
C#

```

public class Solution {
    public int[] SortArrayByParityII(int[] nums) {
        int n = nums.Length;
        int evenIndex = 0;
        int oddIndex = 1;

        while (evenIndex < n && oddIndex < n) {
            // Найти неправильный элемент на четной позиции
            while (evenIndex < n && nums[evenIndex] % 2 == 0) {
                evenIndex += 2;
            }
        }
    }
}

```

Testcase
Test Result

Accepted
Runtime: 89 ms

Case 1
Case 2

Input
nums = [4,2,5,7]

Output
[4,5,2,7]

Код:

```

public class Solution
{
    public int[] SortArrayByParityII(int[] nums)
    {
        int n = nums.Length;
        int evenIndex = 0;
        int oddIndex = 1;

        while (evenIndex < n && oddIndex < n)
        {
            // Найти неправильный элемент на четной позиции
            while (evenIndex < n && nums[evenIndex] % 2 == 0)
            {

```

```
        evenIndex += 2;
    }
    // Найти неправильный элемент на нечетной позиции
    while (oddIndex < n && nums[oddIndex] % 2 == 1)
    {
        oddIndex += 2;
    }

    // Если оба индекса в пределах массива, обменять элементы
    if (evenIndex < n && oddIndex < n)
    {
        int temp = nums[evenIndex];
        nums[evenIndex] = nums[oddIndex];
        nums[oddIndex] = temp;
    }
}

return nums;
}
```