260. Single Number III

Medium 3274 169 Add to List Share

Given an integer array `nums` , in which exactly two elements appear only once and all the other elements appear exactly twice. Find the two elements that appear only once. You can return the answer in **any order**.

You must write an algorithm that runs in linear runtime complexity and uses only constant extra space.

Example 1:

```
Input: nums = [1,2,1,3,2,5]
Output: [3,5]
Explanation:  [5, 3] is also a valid answer.
```

Example 2:

```
Input: nums = [-1,0]
Output: [-1,0]
```

Example 3:

```
Input: nums = [0,1]
Output: [1,0]
```

Constraints:

- `2 <= nums.length <= 3 * 10^4`
- `-2^31 <= nums[i] <= 2^31 - 1`
- Each integer in `nums` will appear twice, only two integers will appear once.

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```java
class Solution {
    public int[] singleNumber(int[] nums) {

    }
}
```