260. Single Number III

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Total Accepted: **57062** Total Submissions: **115752** Difficulty: **Medium** Contributors: **Admin**

Given an array of numbers `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.

For example:

Given `nums = [1, 2, 1, 3, 2, 5]`, return `[3, 5]`.

Note:

1. The order of the result is not important. So in the above example, `[5, 3]` is also correct.
2. Your algorithm should run in linear runtime complexity. Could you implement it using only constant space complexity?

Credits:

Special thanks to @jianchao.li.fighter (https://leetcode.com/discuss/user/jianchao.li.fighter) for adding this problem and creating all test cases.

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Python

```
1  class Solution(object):
2      def singleNumber(self, nums):
3          """
4          :type nums: List[int]
5          :rtype: List[int]
6          """
7          from collections import Counter
8          cnt=Counter(nums)
9          single=[]
```

```
10          for key,value in cnt.items():
11              if value==1:
12                  single.append(key)
13          return single
14
15
```

Notes

Custom Testcase

Contribute Testcase

Run Code | Submit Solution

Run Code Status: Finished

Run Code Result:

Your input

```
[1,2,1,3,2,5]
```

Your answer

```
[3,5]
```

Expected answer

```
[3,5]
```

Show Diff

Runtime: 59 ms

Note: is Run Code inconsistent with Submit Solution? If you are using global variables or C/C++, check this (/faq/#different-output) out.