

Single Number

Solution

Given a **non-empty** array of integers, every element appears *twice* except for one. Find that single one.

Note:

Your algorithm should have a linear runtime complexity. Could you implement it without using extra memory?

Example 1:

Input: [2,2,1]
Output: 1

Example 2:

Input: [4,1,2,1,2]
Output: 4

Java



```

1 class Solution {
2     public int singleNumber(int[] nums) {
3
4         int result = 0;
5         for(int i = 0; i < nums.length; i++) {
6             result ^= nums[i];
7         }
8
9         return result;
10    }
11 }
    
```

☐ Custom Testcase ([Contribute](#))



Run Code

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