

Description

Solution

Discuss (999+)

Submissions

C++

Autocomplete

136. Single Number

Easy

4918

172

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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

Accepted 957,894

Submissions 1,455,948

Seen this question in a real interview before?

Yes

No

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```
1 class Solution {
2 public:
3     int singleNumber(vector<int>& nums) {
4         int res=0;
5         for(auto num:nums){
6             res^=num;
7         }
8         return res;
9     }
10 };
```

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