268. Missing Number

👍 612   👎 937   ♡   ▾

📄 Description (/problems/missing-number/description/)   💡 Hints (/problems/missing-number/hints/)   </> Submissions (/problems/missing-number/su

⤫ Pick One (/problems/random-one-question/)

Given an array containing *n* distinct numbers taken from `0, 1, 2, ..., n`, find the one that is missing from the array.

Example 1:

```
Input: [3,0,1]
Output: 2
```

Example 2:

```
Input: [9,6,4,2,3,5,7,0,1]
Output: 8
```

Note:

Your algorithm should run in linear runtime complexity. Could you implement it using only constant extra space complexity?

Seen this question in a real interview before? Yes No   ✖

Difficulty: Easy

Total Accepted: 209.3K

Total Submissions: 452.9K

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☐ **Custom Testcase** (**Contribute** ❶)   ❓ ▶ Run Code   ⬆ Submit Solution

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Submission Result: **Accepted** (/submissions/detail/181969670/) ❓   More Details ❯ (/submissions/detail/181969670/)

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First Missing Positive (/problems/first-missing-positive/)   Single Number (/problems/single-number/)   Find the Duplicate Number (/problems/find-the-duplicate-number/)   Couples Holding Hands (/problems/couples-holding-hands/)

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