

268. Missing Number

464

783

Description (/problems/missing-number/description/)

Hints (/problems/missing-number/)

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

Given an array containing n distinct numbers taken from $0, 1, 2, \dots, n$, 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?

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Yes

No

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1 class Solution(object):

2 def missingNumber(self, nums):

3 n = len(nums)

4 total = (n)*(n+1)/2

5 sum_of_nums = sum(nums)

6 return total - sum_of_nums

Custom Testcase (Contribute ⓘ)

Run Code

Submit Solution

Submission Result: **Accepted** (/submissions/detail/163739022/) ⓘ

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Couples Holding Hands

