283. Move Zeroes

👍 992   👎 37   ♡ ▾

Description (/problems/move-zeroes/description/)   💡 Hints (/problems/move-zeroes/hints/)

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Notes

Given an array `nums`, write a function to move all `0`'s to the end of it while maintaining the relative order of the non-zero elements.

Example:

```
Input: [0,1,0,3,12]
Output: [1,3,12,0,0]
```

Note:

1. You must do this **in-place** without making a copy of the array.
2. Minimize the total number of operations.

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```
 1 ▾ class Solution(object):
 2 ▾     def moveZeroes(self, nums):
 3 ▾         for i in range(len(nums)):
 4 ▾             if nums[i] == 0:
 5                 # del nums[i]     del removes the item at a specific index, can
     only remove once. wrong here
 6                 nums.remove(nums[i])
 7                 nums.append(0)
 8
 9
10
```

Notes

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

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