

Problem 283: Move Zeroes

Problem Information

Difficulty: Easy

Acceptance Rate: 63.22%

Paid Only: No

Tags: Array, Two Pointers

Problem Description

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

****Note**** that you must do this in-place without making a copy of the array.

****Example 1:****

****Input:**** nums = [0,1,0,3,12] ****Output:**** [1,3,12,0,0]

****Example 2:****

****Input:**** nums = [0] ****Output:**** [0]

****Constraints:****

* `1 <= nums.length <= 104` * `-231 <= nums[i] <= 231 - 1`

****Follow up:**** Could you minimize the total number of operations done?

Code Snippets

C++:

```
class Solution {  
public:
```

```
void moveZeroes(vector<int>& nums) {  
}  
};
```

Java:

```
class Solution {  
public void moveZeroes(int[] nums) {  
}  
}
```

Python3:

```
class Solution:  
    def moveZeroes(self, nums: List[int]) -> None:  
        """  
        Do not return anything, modify nums in-place instead.  
        """
```