


 Description


 Solution


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283. Move Zeroes

Easy

 8418

 229

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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?

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```
1  ▾  class Solution {
2
3  ▾      public void moveZeroes(int[] nums) {
4              int length = nums.length;
5
6              int lastNonZero = 0;
7
8  ▾      for(int i = 0; i < length; i++){
9              if(nums[i] != 0)
10                 nums[lastNonZero++] = nums[i];
11            }
12
13  ▾      while(lastNonZero != length){
14                 nums[lastNonZero++] = 0;
15            }
16        }
17    }
```

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