

Move Zeroes

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:

- a. $1 \leq \text{nums.length} \leq 10^4$
- b. $-2^{31} \leq \text{nums}[i] \leq 2^{31} - 1$

Solution:

```
class Solution:
    def moveZeroes(self, nums: List[int]) -> None:
        n = len(nums)
        i = 0
        for j in range(n):
            if (nums[j] != 0):
                nums[i], nums[j] = nums[j], nums[i]
                i += 1
```