class Solution:

def sortColors(self, nums: List[int]) -> None:

"""

Do not return anything, modify nums in-place instead.

"""

low, mid, high = 0, 0, len(nums) - 1

while mid <= high:

if nums[mid] == 0:

nums[low], nums[mid] = nums[mid], nums[low]

low += 1

mid += 1

elif nums[mid] == 1:

mid += 1

else: # nums[mid] == 2

nums[mid], nums[high] = nums[high], nums[mid]

high -= 1