

## 75. Sort Colors

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Running time:  $O(N)$ .

```
public void sortColors(int[] nums) {  
    int loc0 = 0, loc2 = nums.length-1, tmp = 0;  
    for(int loc1 = 0; loc1 <= loc2; loc1++){  
        if(nums[loc1] == 0){  
            tmp = nums[loc1]; nums[loc1] = nums[loc0]; nums[loc0++] = tmp;  
        }  
        if(nums[loc1] == 2){  
            tmp = nums[loc1]; nums[loc1] = nums[loc2]; nums[loc2--] = tmp;  
        }  
    }  
}
```