

```
class Solution {
    public void sortColors(int[] nums) {
        int l = 0, r = nums.length-1;

        for (int i = 0; i <= r; i++) {
            if (nums[i] == 0) {
                int tmp = nums[i];
                nums[i] = nums[l];
                nums[l++] = tmp;
            } else if (nums[i] == 2) {
                int tmp = nums[i];
                nums[i] = nums[r];
                nums[r--] = tmp;
                i--;
            }
        }
    }
}
```