# o80. Remove Duplicates from Sorted Array II

# **080 Remove Duplicates from Sorted Array II**

• Two Pointers+Array

## **Description**

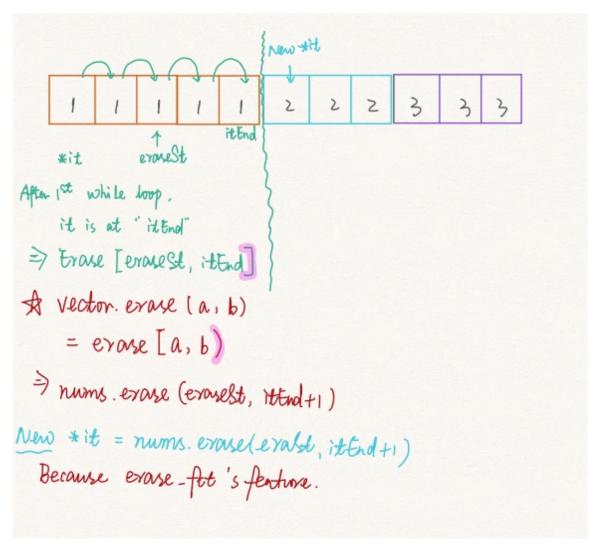
Follow up for "Remove Duplicates": What if duplicates are allowed at most *twice*?

For example,

Given sorted array nums = [1,1,1,2,2,3],

Your function should return length = 5, with the first five elements of *nums* being 1, 1, 2, 2 and 3. It doesn't matter what you leave beyond the new length.

### 1. Thought line



#### 2. Two Pointers+Array

```
1 class Solution {
 2 public:
       int removeDuplicates(vector<int>& nums) {
           int result = 0;
 5
            for (auto it = nums.begin(), eraseSt = it; it !=nums.end(); eraseSt = it){
               int duplicateAct = 1;
 7
               while (it +1 !=nums.end() && *(it+1)==*it){
 8
                   ++duplicateAct, ++it;
                   if (duplicateAct==3) eraseSt = it;
10
11
               if (duplicateAct>2) it = nums.erase(eraseSt, it+1);
               else ++it;
12
               result += duplicateAct<2?duplicateAct:2;</pre>
13
14
15
           return result;
17 };
```