

# Remove Duplicates II

## Question:

<https://leetcode.com/problems/remove-duplicates-from-sorted-array-ii/>

Given an integer array `nums` sorted in non-decreasing order, remove some duplicates in-place such that each unique element appears at most twice.

Return `k` after placing the final result in the first `k` slots of `nums`.

Example 1:

Input: `nums = [1,1,1,2,2,3]`

Output: 5, `nums = [1,1,2,2,3,_]`

Explanation: Your function should return `k = 5`, with the first five elements of `nums` being 1, 1, 2, 2 and 3 respectively.

## Approach:

Used two pointers. The first pointer keeps count of similar values, the second pointer keeps count of the total `k` unique values.

## Solution:

```
def removeDuplicates(self, nums):
```

```
    i = 0
```

```
    for n in nums:
```

```
        if i < 2 or n > nums[i-2]:
```

```
            nums[i] = n
```

```
            i += 1
```

```
    return i
```