

Problem:

26. Remove Duplicates from Sorted Array

Question

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Total Accepted: 99438 Total Submissions: 310383 Difficulty: Easy

Given a sorted array, remove the duplicates in place such that each element appear only *once* and return the new length.

Do not allocate extra space for another array, you must do this in place with constant memory.

For example,

Given input array *nums* = [1,1,2] ,

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

Code:

```
7
8  def removeDuplicates(self, nums):
9
10     n = len(nums)
11     if n == 0:
12         return 0
13
14     index = 1
15     for i in range(1, n):
16         if nums[i] != nums[i-1]:
17             nums[index] = nums[i]
18             index += 1
19
20     return index
```

Easy problem, nothing should be explained in the code.