Problem # 80: Remove Duplicates from Sorted Array -II (Medium)

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

My Solution:

<https://leetcode.com/problems/remove-duplicates-from-sorted-array-ii/discuss/969049/Simple-Python-3-Solution-Runtime-beats-97.96>

1. Let n be the length of nums.
2. Set count to 1 and idx to 1.
3. Iterate using the variable i in range 1 through n.
4. If the nums array value at index idx is equal to the nums array value at idx - 1, then increment count by 1.
5. If count is greater than 2, remove the element at idx. Otherwise increment idx by 1.
6. If the nums array value at index idx is not equal to the nums array value at idx - 1, then set count to 1 and increment idx by 1.

NOTE: When an element is removed from the nums array, the next element to the right of the element at idx, will becomve element at idx. So there is no need to increment idx in this case.

class Solution:

def removeDuplicates(self, nums: List[int]) -> int:

n = len(nums)

count = 1

idx = 1

for i in range(1, n):

if nums[idx] == nums[idx-1]:

count += 1

if count > 2:

nums.remove(nums[idx])

else:

idx += 1

else:

count = 1

idx += 1