**Problem #2460: Apply Operations to an Array**

<https://leetcode.com/problems/apply-operations-to-an-array/description/>

**My Solution:**

1. Iterate through nums array in range of length of nums – 1, that is up to the last but one element. If nums at index I is equal to nums at index (I + 1), then multiply the element at index I by 2 and make the element at index (I + 1) to be 0.
2. Count the number of zero elements in nums called it zeros.
3. Initialize res to be an empty list.
4. Iterate through nums array. If nums at index I is not 0, append it to res.
5. Set nums to be concatenation of res and a list with 0 of length zeros.
6. Return nums

class Solution:

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

for i in range(len(nums) - 1):

if nums[i] == nums[i + 1]:

nums[i] \*= 2

nums[i + 1] = 0

zeros = nums.count(0)

res = []

for i in range(len(nums)):

if nums[i] != 0:

res.append(nums[i])

#print("res = ", res)

nums = res + [0] \* zeros

return nums