Problem #1089: Duplicate zeros

<https://leetcode.com/problems/duplicate-zeros/>

My post: <https://leetcode.com/problems/duplicate-zeros/discuss/811706/Simple-Python-3-solution-using-insert-and-pop>

Simple Python 3 solution using insert and pop

1. Only check the array for the original length of it.
2. If an element of the array is zero, then insert zero in the next index and remove the last element, since we want the array to be of the original length only and not lengthen it.
3. If element is not zero, just increment the index.

class Solution:

def duplicateZeros(self, arr: List[int]) -> None:

"""

Do not return anything, modify arr in-place instead.

"""

n = len(arr)

i = 0

while i < n:

if arr[i] == 0:

arr.insert(i+1, 0)

arr.pop()

i += 2

else:

i += 1