

Problem 1089: Duplicate Zeros

Problem Information

Difficulty: Easy

Acceptance Rate: 53.12%

Paid Only: No

Tags: Array, Two Pointers

Problem Description

Given a fixed-length integer array `arr`, duplicate each occurrence of zero, shifting the remaining elements to the right.

****Note**** that elements beyond the length of the original array are not written. Do the above modifications to the input array in place and do not return anything.

****Example 1:****

****Input:**** arr = [1,0,2,3,0,4,5,0] ****Output:**** [1,0,0,2,3,0,0,4] ****Explanation:**** After calling your function, the input array is modified to: [1,0,0,2,3,0,0,4]

****Example 2:****

****Input:**** arr = [1,2,3] ****Output:**** [1,2,3] ****Explanation:**** After calling your function, the input array is modified to: [1,2,3]

****Constraints:****

* `1 <= arr.length <= 104` * `0 <= arr[i] <= 9`

Code Snippets

C++:

```
class Solution {  
public:  
void duplicateZeros(vector<int>& arr) {  
  
}  
};
```

Java:

```
class Solution {  
public void duplicateZeros(int[] arr) {  
  
}  
}
```

Python3:

```
class Solution:  
def duplicateZeros(self, arr: List[int]) -> None:  
    """  
    Do not return anything, modify arr in-place instead.  
    """
```