31. Given an integer array arr, count how many elements x there are, such that x + 1 is also in arr. If there are duplicates in arr, count them separately. Example Input: arr = [1,2,3] Output: 2 Explanation: 1 and 2 are counted cause 2 and 3 are in arr. Example 2: Input: arr = [1,1,3,3,5,5,7,7] Output: 0 Explanation: No numbers are counted, cause there is no 2, 4, 6, or 8 in arr.

PROGRAM:

```
def countElements(arr):
    num_count = {}
    for num in arr:
        num_count[num] = num_count.get(num, 0) + 1

    count = 0
    for num in arr:
        if num + 1 in num_count:
            count += 1

    return count
arr1 = [1, 2, 3]
arr2 = [1, 1, 3, 3, 5, 5, 7, 7]

print(countElements(arr1))
print(countElements(arr2))
```

OUTPUT:

```
2
0
```

TIME COMPLEXITY: O(n)