

Problem 1426: Counting Elements

Problem Information

Difficulty: Easy

Acceptance Rate: 60.64%

Paid Only: Yes

Tags: Array, Hash Table

Problem Description

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 1:

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.

Constraints:

* `1 <= arr.length <= 1000` * `0 <= arr[i] <= 1000`

Code Snippets

C++:

```
class Solution {
public:
    int countElements(vector<int>& arr) {
```

```
}
```

```
};
```

Java:

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

Python3:

```
class Solution:  
    def countElements(self, arr: List[int]) -> int:
```