Problem 3184: Count Pairs That Form a Complete Day I

Problem Information

Difficulty: Easy
Acceptance Rate: 77.85%
Paid Only: No
Tags: Array, Hash Table, Counting

Problem Description

Given an integer array `hours` representing times in **hours** , return an integer denoting the number of pairs `i`, `j` where `i < j` and `hours[i] + hours[j]` forms a **complete day**.

A **complete day** is defined as a time duration that is an **exact** **multiple** of 24 hours.

For example, 1 day is 24 hours, 2 days is 48 hours, 3 days is 72 hours, and so on.

Example 1:

Input: hours = [12,12,30,24,24]

Output: 2

Explanation:

The pairs of indices that form a complete day are `(0, 1)` and `(3, 4)`.

Example 2:

Input: hours = [72,48,24,3]

Output: 3

Explanation:

The pairs of indices that form a complete day are `(0, 1)`, `(0, 2)`, and `(1, 2)`.

Constraints:

* `1 <= hours.length <= 100` * `1 <= hours[i] <= 109`

Code Snippets

C++:

```
class Solution {
public:
int countCompleteDayPairs(vector<int>& hours) {

}
};
```

Java:

```
class Solution {
public int countCompleteDayPairs(int[] hours) {

}
}
```

Python3:

```
class Solution:
def countCompleteDayPairs(self, hours: List[int]) -> int:
```