# Problem 3185: Count Pairs That Form a Complete Day II

## Problem Information

**Difficulty:** Medium
**Acceptance Rate:** 43.40%
**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 <= 5 * 105` * `1 <= hours[i] <= 109`

## Code Snippets

**C++:**

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

}
};
```

**Java:**

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

}
}
```

**Python3:**

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