Problem 2446: Determine if Two Events Have Conflict

Problem Information

Difficulty: Easy
Acceptance Rate: 52.79%
Paid Only: No
Tags: Array, String

Problem Description

You are given two arrays of strings that represent two inclusive events that happened **on the same day** , `event1` and `event2`, where:

* `event1 = [startTime1, endTime1]` and * `event2 = [startTime2, endTime2]`.

Event times are valid 24 hours format in the form of `HH:MM`.

A **conflict** happens when two events have some non-empty intersection (i.e., some moment is common to both events).

Return `true` _if there is a conflict between two events. Otherwise, return_`false`.

Example 1:

Input: event1 = ["01:15","02:00"], event2 = ["02:00","03:00"] **Output:** true
Explanation: The two events intersect at time 2:00.

Example 2:

Input: event1 = ["01:00","02:00"], event2 = ["01:20","03:00"] **Output:** true
Explanation: The two events intersect starting from 01:20 to 02:00.

Example 3:

Input: event1 = ["10:00","11:00"], event2 = ["14:00","15:00"] **Output:** false
Explanation: The two events do not intersect.

Constraints:

* `event1.length == event2.length == 2` * `event1[i].length == event2[i].length == 5` *
`startTime1 <= endTime1` * `startTime2 <= endTime2` * All the event times follow the
`HH:MM` format.

Code Snippets

C++:

```cpp
class Solution {
public:
bool haveConflict(vector<string>& event1, vector<string>& event2) {


}
};
```

Java:

```java
class Solution {
public boolean haveConflict(String[] event1, String[] event2) {


}
}
```

Python3:

```python
class Solution:
def haveConflict(self, event1: List[str], event2: List[str]) -> bool:
```