

6214. Determine if Two Events Have Conflict

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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 .

User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Easy

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:

- evnet1.length == event2.length == 2.
- event1[i].length == event2[i].length == 5
- startTime₁ <= endTime₁
- startTime₂ <= endTime₂
- All the event times follow the HH:MM format.

JavaScript

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```
1 const haveConflict = (a, b) => {
2   a = a.map(s => convertTimeToNumber(s));
3   b = b.map(s => convertTimeToNumber(s));
4   return overlap(a[0], a[1], b[0], b[1])
5 };
6
7 const overlap = (start1, end1, start2, end2) => (start1 >= start2 && start1 <= end2) || (start2 >= start1 && start2 <=
  end1)
8
9 const convertTimeToNumber = (s) => {
10   let [h, m] = s.split(":").map(Number);
11   return h + m / 60;
12 };
```

☐ Custom Testcase

Use Example Testcases

Shortcut: Command + `

Run

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Submission Result: **Accepted** (/submissions/detail/828302520/) ? More Details > (/submissions/detail/828302520/)

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