1229. Meeting Scheduler Premium

Medium | Topics | Companies | Hint

Given the availability time slots arrays `slots1` and `slots2` of two people and a meeting duration `duration`, return the **earliest time slot** that works for both of them and is of duration `duration`.

If there is no common time slot that satisfies the requirements, return an **empty array**.

The format of a time slot is an array of two elements `[start, end]` representing an inclusive time range from `start` to `end`.

It is guaranteed that no two availability slots of the same person intersect with each other. That is, for any two time slots `[start1, end1]` and `[start2, end2]` of the same person, either `start1 > end2` or `start2 > end1`.

Example 1:

```
Input: slots1 = [[10,50],[60,120],[140,210]], slots2 = [[0,15],[60,70]], duration = 8
Output: [60,68]
```

Example 2:

```
Input: slots1 = [[10,50],[60,120],[140,210]], slots2 = [[0,15],[60,70]], duration = 12
Output: []
```

Constraints:

- `1 <= slots1.length, slots2.length <= 10^4`
- `slots1[i].length, slots2[i].length == 2`
- `slots1[i][0] < slots1[i][1]`
- `slots2[i][0] < slots2[i][1]`
- `0 <= slots1[i][j], slots2[i][j] <= 10^9`
- `1 <= duration <= 10^6`

Seen this question in a real interview before? 1/5

Yes No

Accepted 86.7K | Submissions 156.9K | Acceptance Rate 55.3%

Topics

Array Two Pointers Sorting

Companies

0 - 3 months

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0 - 6 months

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Hint 1

Assume that in the solution, the selected slot from slotsA is bigger than the respectively selected slot from slotsB.

Hint 2

Use two pointers in order to try all the possible intersections, and check the length.

Hint 3

Do the same in step N° 1 but now assume that the selected slot from slotsB is bigger, return the minimum of the two options.

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