We are given a list schedule of employees, which represents the working time for each employee.

Each employee has a list of non-overlapping Intervals, and these intervals are in sorted order.

Return the list of finite intervals representing **common, positive-length free time** for *all* employees, also in sorted order.

(Even though we are representing Intervals in the form [x, y], the objects inside are Intervals, not lists or arrays. For example, schedule[0][0].start = 1, schedule[0][0].end = 2, and schedule[0][0][0] is not defined).  Also, we wouldn't include intervals like [5, 5] in our answer, as they have zero length.

**Example 1:**

Input: schedule = [[[1,2],[5,6]],[[1,3]],[[4,10]]]  
Output: [[3,4]]  
Explanation: There are a total of three employees, and all common  
free time intervals would be [-inf, 1], [3, 4], [10, inf].  
We discard any intervals that contain inf as they aren't finite.

**Example 2:**

Input: schedule = [[[1,3],[6,7]],[[2,4]],[[2,5],[9,12]]]  
Output: [[5,6],[7,9]]

**Constraints:**

* 1 <= schedule.length , schedule[i].length <= 50
* 0 <= schedule[i].start < schedule[i].end <= 10^8