759. Employee Free Time Premium ∩ Hint ♥ Topics € Companies 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][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 Seen this question in a real interview before? 1/5 Yes No Accepted 156.1K Submissions 215.8K Acceptance Rate 72.3% Topics Array Sorting Heap (Priority Queue) Companies 0 - 3 months Pinterest 2 Roblox 2 0 - 6 months Google 6 Airbnb (2) 6 months ago GE Healthcare (2) DoorDash (2) Hint 1 Take all the intervals and do an "events" (or "line sweep") approach - an event of (x, OPEN) increases the number of active intervals, while (x, CLOSE) decreases it. Processing in sorted order from left to right, if the number of active intervals is zero, then you crossed a region of common free time. **E** Similar Questions Merge Intervals Medium Interval List Intersections Medium Discussion (15)

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