

252. Meeting Rooms

Easy 557 36 Add to List Share

Given an array of meeting time intervals consisting of start and end times $[[s_1, e_1], [s_2, e_2], \dots]$ ($s_i < e_i$), determine if a person could attend all meetings.

Example 1:

Input: $[[0,30],[5,10],[15,20]]$
Output: false

Example 2:

Input: $[[7,10],[2,4]]$
Output: true

```
bool canAttendMeetings(vector<vector<int>> &intervals)
{
    if (intervals.size() <= 1)
        return true;

    int n = intervals.size();
    vector<int> start;
    vector<int> end;
    for (auto &ar : intervals)
    {
        start.push_back(ar[0]);
        end.push_back(ar[1]);
    }

    sort(start.begin(), start.end());
    sort(end.begin(), end.end());

    int count = 0, i = 0, j = 0, ans = 0;
    while (i < n && j < n)
    {
        if (start[i] < end[j])
            count++, i++;
        else
            count--, j++;

        ans = max(ans, count);
        if (ans > 1)
            break;
    }
    return ans <= 1;
}
```

meeting j ke end hogi to room free hogi

meeting i ke start hogi to room hogi