Problem 253: Meeting Rooms II

Problem Information

Difficulty: Medium
Acceptance Rate: 0.00%
Paid Only: No

Problem Description

Given an array of meeting time intervals

intervals

where

intervals[i] = [start

i

, end

i

]

, return

the minimum number of conference rooms required

.

Example 1:

Input:

intervals = [[0,30],[5,10],[15,20]]

Output:

2

Example 2:

Input:

intervals = [[7,10],[2,4]]

Output:

1

Constraints:

1 <= intervals.length <= 10

4

0 <= start

i

< end

i

<= 10

6

Code Snippets

C++:

```
class Solution {
public:
int minMeetingRooms(vector<vector<int>>& intervals) {

}
};
```

Java:

```
class Solution {
public int minMeetingRooms(int[][] intervals) {

}
}
```

Python3:

```
class Solution:
def minMeetingRooms(self, intervals: List[List[int]]) -> int:
```

Python:

```
class Solution(object):
def minMeetingRooms(self, intervals):
"""
:type intervals: List[List[int]]
:rtype: int
"""
```

JavaScript:

```
/**
* @param {number[][]} intervals
* @return {number}
*/
var minMeetingRooms = function(intervals) {

};
```

TypeScript:

```
function minMeetingRooms(intervals: number[][]): number {
```

```
};
```

C#:

```
public class Solution {
public int MinMeetingRooms(int[][] intervals) {

}
}
```

C:

```
int minMeetingRooms(int** intervals, int intervalsSize, int*
intervalsColSize) {

}
```

Go:

```
func minMeetingRooms(intervals [][]int) int {

}
```

Kotlin:

```
class Solution {
fun minMeetingRooms(intervals: Array<IntArray>): Int {

}
}
```

Swift:

```
class Solution {
func minMeetingRooms(_ intervals: [[Int]]) -> Int {

}
}
```

Rust:

```
impl Solution {
pub fn min_meeting_rooms(intervals: Vec<Vec<i32>>) -> i32 {

}
}
```

Ruby:

```
# @param {Integer[][]} intervals
# @return {Integer}
def min_meeting_rooms(intervals)

end
```

PHP:

```
class Solution {

/**
* @param Integer[][] $intervals
* @return Integer
*/
function minMeetingRooms($intervals) {

}
}
```

Dart:

```
class Solution {
int minMeetingRooms(List<List<int>> intervals) {

}
}
```

Scala:

```
object Solution {
def minMeetingRooms(intervals: Array[Array[Int]]): Int = {

}
}
```

Elixir:

```
defmodule Solution do
@spec min_meeting_rooms(intervals :: [[integer]]) :: integer
def min_meeting_rooms(intervals) do

end
end
```

Erlang:

```
-spec min_meeting_rooms(Intervals :: [[integer()]]) -> integer().
min_meeting_rooms(Intervals) ->
.
```

Racket:

```
(define/contract (min-meeting-rooms intervals)
(-> (listof (listof exact-integer?)) exact-integer?)
)
```

Solutions

C++ Solution:

```
/*
* Problem: Meeting Rooms II
* Difficulty: Medium
* Tags: array, greedy, sort, queue, heap
*
* Approach: Use two pointers or sliding window technique
* Time Complexity: O(n) or O(n log n)
* Space Complexity: O(1) to O(n) depending on approach
*/

class Solution {
public:
int minMeetingRooms(vector<vector<int>>& intervals) {

}
};
```

Java Solution:

```
/**
* Problem: Meeting Rooms II
* Difficulty: Medium
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* Approach: Use two pointers or sliding window technique
* Time Complexity: O(n) or O(n log n)
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*/

class Solution {
public int minMeetingRooms(int[][] intervals) {

}
}
```

Python3 Solution:

```
"""
Problem: Meeting Rooms II
Difficulty: Medium
Tags: array, greedy, sort, queue, heap

Approach: Use two pointers or sliding window technique
Time Complexity: O(n) or O(n log n)
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"""

class Solution:
def minMeetingRooms(self, intervals: List[List[int]]) -> int:
# TODO: Implement optimized solution
pass
```

Python Solution:

```
class Solution(object):
def minMeetingRooms(self, intervals):
"""
:type intervals: List[List[int]]
:rtype: int
```

```
"""
```

JavaScript Solution:

```
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var minMeetingRooms = function(intervals) {

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TypeScript Solution:

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function minMeetingRooms(intervals: number[][]): number {

};
```

C# Solution:

```
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C Solution:

```
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int minMeetingRooms(int** intervals, int intervalsSize, int*
intervalsColSize) {

}
```

Go Solution:

```
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// Tags: array, greedy, sort, queue, heap
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```
func minMeetingRooms(intervals [][]int) int {

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class Solution {
fun minMeetingRooms(intervals: Array<IntArray>): Int {

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impl Solution {
pub fn min_meeting_rooms(intervals: Vec<Vec<i32>>) -> i32 {

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Ruby Solution:

```
# @param {Integer[][]} intervals
# @return {Integer}
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```
def min_meeting_rooms(intervals)

end
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PHP Solution:

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class Solution {

/**
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function minMeetingRooms($intervals) {

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