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2402. Meeting Rooms III







You are given an integer n. There are n rooms numbered from 0 to n-1.



(Y, 10)

m 2

You are given a 2D integer array meetings where meetings $[i] = [start_i, end_i]$ means that a meeting will be held during the half-closed time interval $[start_i, end_i)$. All the values of $start_i$ are unique.

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Con cliesion:

Sort meetings (start-time).

The first room which can be used for current meeting.

Ly Empty Room found.

Select the soom which will end first.

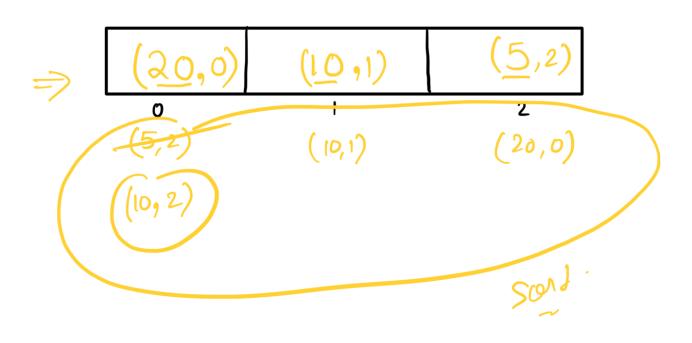
Approach 2

What was the bottle neck

in the first approach ???

O(m)

meetings =
$$[(1,20), (2,10), (3,5), (4,4), (6,8)]$$



Sort. 6 Earliet ending finer.

meetings =
$$\left[\frac{(1,20)}{(1,20)}, \frac{(2,10)}{(2,10)}, \frac{(3,5)}{(4,9)}, \frac{(4,9)}{(6,8)}, \frac{(3,20)}{(20,1)}\right]$$

Printiple (20,1)

Used Rooms

$$T \cdot C = O(m * log(n))$$



