**Problem Description**

Given an 2D integer array **A** of size N x 2 denoting time intervals of different meetings.

Where:

* **A[i][0]** = start time of the ith meeting.
* **A[i][1]** = end time of the ith meeting.

Find the **minimum number of conference rooms** required so that all meetings can be done.  
  
Note :- If a meeting ends at time t, another meeting starting at time t can use the same conference room

**Problem Constraints**

1 <= N <= 105

0 <= A[i][0] < A[i][1] <= 2 \* 109

**Input Format**

The only argument given is the matrix **A**.

**Output Format**

Return the minimum number of conference rooms required so that all meetings can be done.

**Example Input**

Input 1:

A = [ [0, 30]

[5, 10]

[15, 20]

]

Input 2:

A = [ [1, 18]

[18, 23]

[15, 29]

[4, 15]

[2, 11]

[5, 13]

]

**Example Output**

Output 1:

2

Output 2:

4

**Example Explanation**

Explanation 1:

Meeting one can be done in conference room 1 form 0 - 30.

Meeting two can be done in conference room 2 form 5 - 10.

Meeting three can be done in conference room 2 form 15 - 20 as it is free in this interval.

Explanation 2:

Meeting one can be done in conference room 1 from 1 - 18.

Meeting five can be done in conference room 2 from 2 - 11.

Meeting four can be done in conference room 3 from 4 - 15.

Meeting six can be done in conference room 4 from 5 - 13.

Meeting three can be done in conference room 2 from 15 - 29 as it is free in this interval.

Meeting two can be done in conference room 4 from 18 - 23 as it is free in this interval.