# N meetings in one room

There is **one** meeting room in a firm. There are **N** meetings in the form of **(start[i], end[i])** where **start[i]** is start time of meeting **i** and **end[i]** is finish time of meeting **i**. What is the **maximum** number of meetings that can be accommodated in the meeting room when only one meeting can be held in the meeting room at a particular time?

**Note:** Start time of one chosen meeting can't be equal to the end time of the other chosen meeting.

## Example 1:

```
Input:
N = 6
start[] = {1,3,0,5,8,5}
end[] = {2,4,6,7,9,9}
Output:
4
Explanation:
Maximum four meetings can be held with
given start and end timings.
The meetings are - (1, 2),(3, 4), (5,7) and (8,9)
```

## Example 2:

```
Input:
N = 3
start[] = {10, 12, 20}
end[] = {20, 25, 30}
Output:
1
Explanation:
Only one meetings can be held
with given start and end timings.
```

#### Your Task:

You don't need to read inputs or print anything. Complete the function **maxMeetings()** that takes two arrays **start[]** and **end[]** along with their size **N** as input parameters and returns the **maximum** number of meetings that can be held in the meeting room.

**Expected Time Complexity**: O(N\*LogN)

**Expected Auxilliary Space**: O(N)

### **Constraints:**

 $1 \le N \le 10^5$ 

 $0 \le \text{start[i]} < \text{end[i]} \le 10^5$