Problem Challenge 1

We'll cover the following

- Minimum Meeting Rooms (hard)
- Try it yourself

Minimum Meeting Rooms (hard)

Given a list of intervals representing the start and end time of 'N' meetings, find the **minimum number of rooms** required to **hold all the meetings**.

Example 1:

```
Meetings: [[1,4], [2,5], [7,9]]
Output: 2
Explanation: Since [1,4] and [2,5] overlap, we need two rooms to hold these two meetings. [7,
9] can
occur in any of the two rooms later.
```

Example 2:

```
Meetings: [[6,7], [2,4], [8,12]]
Output: 1
Explanation: None of the meetings overlap, therefore we only need one room to hold all meeting
s.
```

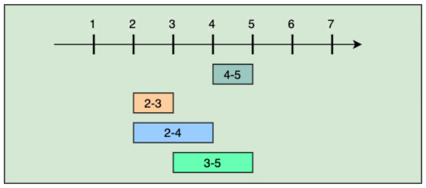
Example 3:

```
Meetings: [[1,4], [2,3], [3,6]]
Output:2
Explanation: Since [1,4] overlaps with the other two meetings [2,3] and [3,6], we need two room
s to
hold all the meetings.
```

Example 4:

```
Meetings: [[4,5], [2,3], [2,4], [3,5]]
Output: 2
Explanation: We will need one room for [2,3] and [3,5], and another room for [2,4] and [4,5].

Here is a visual representation of Example 4:
```



Try it yourself

Try solving this question here:

Java | Python3 | JS | C++

```
import java.util.*;

class Meeting {
  int start;
  int end;

  public Meeting(int start, int end) {
    this.start = start;
    this.end = end;
  }
};

class MinimumMeetingRooms {
```

```java

  public static int findMinimumMeetingRooms(List<Meeting> meetings) {
    // TODO: Write your code here
    return -1;
  }

  public static void main(String[] args) {
    List<Meeting> input = new ArrayList<Meeting>() {
      {
        add(new Meeting(4, 5));
        add(new Meeting(2, 3));
        add(new Meeting(2, 4));
        add(new Meeting(3, 5));
      }
    };
```

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Conflicting Appointments (medium)

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Solution Review: Problem Challenge 1

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