

Hard 1707 245 Add to List Share

You are given some events $[start, end)$, after each given event, return an integer k representing the maximum k -booking between all the previous events.

- `MyCalendarThree()` Initializes the object.
- `int book(int start, int end)` Returns an integer k representing the largest integer such that there exists a k -booking in the calendar.

Input

Output

Explanation

constraints:

- $0 \leq \text{start} < \text{end} \leq 10^9$
- At most 400 calls will be made to `book`.

Seen this question in a real interview before?

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```

1  class MyCalendarThree {
2
3      public MyCalendarThree() {
4
5      }
6
7      public int book(int start, int end) {
8
9      }
10 }
11
12 /**
13  * Your MyCalendarThree object will be instantiated and called as such:
14  * MyCalendarThree obj = new MyCalendarThree();
15  * int param_1 = obj.book(start,end);
16  */

```