1851. Maximum Number of Events That Can Be Attended II

Difficulty : Hard

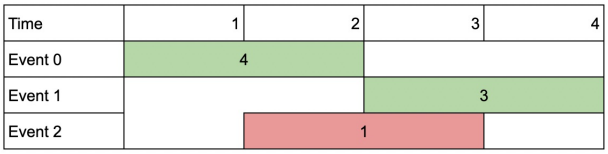
https://leetcode.com/problems/maximum-number-of-events-that-can-be-attended-ii

You are given an array of `events` where `events[i] = [startDay`$_i$`, endDay`$_i$`, value`$_i$`]`. The i^{th} event starts at `startDay`$_i$ and ends at `endDay`$_i$, and if you attend this event, you will receive a value of `value`$_i$. You are also given an integer `k` which represents the maximum number of events you can attend.

You can only attend one event at a time. If you choose to attend an event, you must attend the **entire** event. Note that the end day is **inclusive**: that is, you cannot attend two events where one of them starts and the other ends on the same day.

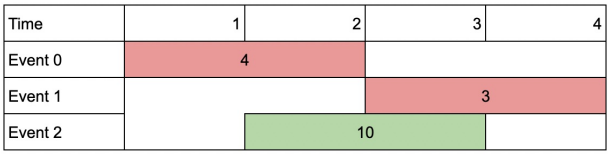
Return *the **maximum sum** of values that you can receive by attending events.*

Example 1:



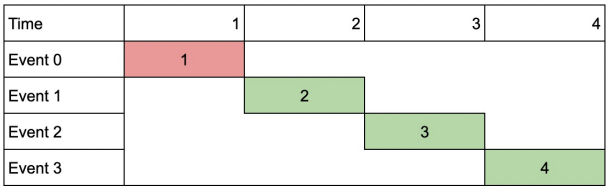

```
Input: events = [[1,2,4],[3,4,3],[2,3,1]], k = 2
Output: 7
Explanation: Choose the green events, 0 and 1 (0-indexed) for a total value of 4 + 3 = 7.
```

Example 2:




```
Input: events = [[1,2,4],[3,4,3],[2,3,10]], k = 2
Output: 10
Explanation: Choose event 2 for a total value of 10.
Notice that you cannot attend any other event as they overlap, and that you do not have to attend k events.
```

Example 3:




```
Input: events = [[1,1,1],[2,2,2],[3,3,3],[4,4,4]], k = 3
Output: 9
Explanation: Although the events do not overlap, you can only attend 3 events. Pick the highest valued three.
```

Constraints:

- `1 <= k <= events.length`
- `1 <= k * events.length <= 10`^{6}
- `1 <= startDay`$_i$ `<= endDay`$_i$ `<= 10`^{9}
- `1 <= value`$_i$ `<= 10`^{6}