1817. Finding the Users Active Minutes

Description

You are given the logs for users' actions on LeetCode, and an integer `k`. The logs are represented by a 2D integer array `logs` where each `logs[i] = [ID_i, time_i]` indicates that the user with `ID_i` performed an action at the minute `time_i`.

Multiple users can perform actions simultaneously, and a single user can perform **multiple actions** in the same minute.

The **user active minutes (UAM)** for a given user is defined as the **number of unique minutes** in which the user performed an action on LeetCode. A minute can only be counted once, even if multiple actions occur during it.

You are to calculate a **1-indexed** array `answer` of size `k` such that, for each `j` (`1 <= j <= k`), `answer[j]` is the **number of users** whose **UAM** equals `j`.

Return *the array* `answer` *as described above*.

Example 1:

```
Input: logs = [[0,5],[1,2],[0,2],[0,5],[1,3]], k = 5
Output: [0,2,0,0,0]
Explanation:
The user with ID=0 performed actions at minutes 5, 2, and 5 again. Hence, they have a UAM of 2 (minute 5 is only counted once).
The user with ID=1 performed actions at minutes 2 and 3. Hence, they have a UAM of 2.
Since both users have a UAM of 2, answer[2] is 2, and the remaining answer[j] values are 0.
```

Example 2:

```
Input: logs = [[1,1],[2,2],[2,3]], k = 4
Output: [1,1,0,0]
Explanation:
The user with ID=1 performed a single action at minute 1. Hence, they have a UAM of 1.
The user with ID=2 performed actions at minutes 2 and 3. Hence, they have a UAM of 2.
There is one user with a UAM of 1 and one with a UAM of 2.
Hence, answer[1] = 1, answer[2] = 1, and the remaining values are 0.
```

Constraints:

- $1 \le logs.length \le 10^4$
- $0 \le ID_i \le 10^9$
- $1 \le time_i \le 10^5$
- `k` is in the range $[The\ maximum\ UAM\ for\ a\ user, 10^5]$.