406. Queue Reconstruction by Height

Medium 5136 540 Add to List Share

You are given an array of people, `people`, which are the attributes of some people in a queue (not necessarily in Each `people[i] = [hi, ki]` represents the i^{th} person of height h_i with **exactly** k_i other people in front who height greater than or equal to h_i.

Reconstruct and return *the queue that is represented by the input array* `people`. The returned queue should be formatted as an array `queue`, where `queue[j] = [hj, kj]` is the attributes of the j^{th} person in the queue (`que` is the person at the front of the queue).

Example 1:

```
Input: people = [[7,0],[4,4],[7,1],[5,0],[6,1],[5,2]]
Output: [[5,0],[7,0],[5,2],[6,1],[4,4],[7,1]]
Explanation:
Person 0 has height 5 with no other people taller or the same height in front.
Person 1 has height 7 with no other people taller or the same height in front.
Person 2 has height 5 with two persons taller or the same height in front, which is person 0 and
Person 3 has height 6 with one person taller or the same height in front, which is person 1.
Person 4 has height 4 with four people taller or the same height in front, which are people 0, 1
2, and 3.
Person 5 has height 7 with one person taller or the same height in front, which is person 1.
Hence [[5,0],[7,0],[5,2],[6,1],[4,4],[7,1]] is the reconstructed queue.
```

Example 2:

```
Input: people = [[6,0],[5,0],[4,0],[3,2],[2,2],[1,4]]
Output: [[4,0],[5,0],[2,2],[3,2],[1,4],[6,0]]
```

Constraints:

- `1 <= people.length <= 2000`
- `0 <= hi <= 10^6`
- `0 <= ki < people.length`
- It is guaranteed that the queue can be reconstructed.

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