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Description

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2363. Merge Similar Items

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You are given two 2D integer arrays, `items1` and `items2`, representing two sets of items. Each array `items` has the following properties:

- `items[i] = [valuei, weighti]` where `valuei` represents the **value** and `weighti` represents the **weight** of the `ith` item.
- The value of each item in `items` is **unique**.

Return a 2D integer array `ret` where `ret[i] = [valuei, weighti]`, with `weighti` being the **sum of weights** of all items with value `valuei`.

Note: `ret` should be returned in **ascending** order by value.

Example 1:

Input: `items1 = [[1,1],[4,5],[3,8]]`, `items2 = [[3,1],[1,5]]`
Output: `[[1,6],[3,9],[4,5]]`
Explanation:
The item with value = 1 occurs in `items1` with weight = 1 and in `items2` with weight = 5, total weight = 1 + 5 = 6.
The item with value = 3 occurs in `items1` with weight = 8 and in `items2` with weight = 1, total weight = 8 + 1 = 9.
The item with value = 4 occurs in `items1` with weight = 5, total weight = 5.
Therefore, we return `[[1,6],[3,9],[4,5]]`.

Example 2:

Input: `items1 = [[1,1],[3,2],[2,3]]`, `items2 = [[2,1],[3,2],[1,3]]`
Output: `[[1,4],[2,4],[3,4]]`
Explanation:
The item with value = 1 occurs in `items1` with weight = 1 and in `items2` with weight = 3, total weight = 1 + 3 = 4.
The item with value = 2 occurs in `items1` with weight = 3 and in `items2` with weight = 1, total weight = 3 + 1 = 4.
The item with value = 3 occurs in `items1` with weight = 2 and in `items2` with weight = 2, total weight = 2 + 2 = 4.
Therefore, we return `[[1,4],[2,4],[3,4]]`.

Example 3:

Input: `items1 = [[1,3],[2,2]]`, `items2 = [[7,1],[2,2],[1,4]]`
Output: `[[1,7],[2,4],[7,1]]`
Explanation:
The item with value = 1 occurs in `items1` with weight = 3 and in `items2` with weight = 4, total weight = 3 + 4 = 7.
The item with value = 2 occurs in `items1` with weight = 2 and in `items2` with weight = 2, total weight = 2 + 2 = 4.
The item with value = 7 occurs in `items2` with weight = 1, total weight = 1.
Therefore, we return `[[1,7],[2,4],[7,1]]`.

Constraints:

- `1 <= items1.length, items2.length <= 1000`
- `items1[i].length == items2[i].length == 2`
- `1 <= valuei, weighti <= 1000`
- Each `valuei` in `items1` is **unique**.
- Each `valuei` in `items2` is **unique**.

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Seen this question in a real interview before?

Yes

No

Show Hint 1

Show Hint 2

1

2

3

4

5

```
class Solution {
    public List<List<Integer>> mergeSimilarItems(int[][] items1, int[][] items2) {
    }
}
```

Problems

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Console

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