

1640. Check Array Formation Through Concatenation

Description

You are given an array of **distinct** integers `arr` and an array of integer arrays `pieces`, where the integers in `pieces` are **distinct**. Your goal is to form `arr` by concatenating the arrays in `pieces` **in any order**. However, you are **not** allowed to reorder the integers in each array `pieces[i]`.

Return `true` *if it is possible to form the array* `arr` *from* `pieces`. Otherwise, return `false`.

Example 1:

Input: `arr = [15,88], pieces = [[88],[15]]`

Output: `true`

Explanation: Concatenate [15] then [88]

Example 2:

Input: `arr = [49,18,16], pieces = [[16,18,49]]`

Output: `false`

Explanation: Even though the numbers match, we cannot reorder `pieces[0]`.

Example 3:

Input: `arr = [91,4,64,78], pieces = [[78],[4,64],[91]]`

Output: `true`

Explanation: Concatenate [91] then [4,64] then [78]

Constraints:

- `1 <= pieces.length <= arr.length <= 100`
- `sum(pieces[i].length) == arr.length`
- `1 <= pieces[i].length <= arr.length`
- `1 <= arr[i], pieces[i][j] <= 100`
- The integers in `arr` are **distinct**.
- The integers in `pieces` are **distinct** (i.e., If we flatten pieces in a 1D array, all the integers in this array are distinct).

