#### 841. Keys and Rooms

https://leetcode.com/problems/keys-and-rooms/

There are n rooms labeled from 0 to n-1 and all the rooms are locked except for room 0. Your goal is to visit all the rooms. However, you cannot enter a locked room without having its key. When you visit a room, you may find a set of **distinct keys** in it. Each key has a number on it, denoting which room it unlocks, and you can take all of them with you to unlock the other rooms. Given an array rooms where rooms[i] is the set of keys that you can obtain if you visited room i, return true if you can visit **all** the rooms, or false otherwise.

# Example 1:

**Input:** rooms = [[1],[2],[3],[]]

Output: true

# **Explanation:**

We visit room 0 and pick up key 1.
We then visit room 1 and pick up key 2.
We then visit room 2 and pick up key 3.
We then visit room 3.
Since we were able to visit every room, we return true.

### Example 2:

**Input:** rooms = [[1,3],[3,0,1],[2],[0]]

Output: false

**Explanation:** We can not enter room number 2 since the only key that unlocks it is in that room.

#### Constraints:

- n == rooms.length
- 2 <= n <= 1000
- 0 <= rooms[i].length <= 1000
- 1 <= sum(rooms[i].length) <= 3000</li>
- 0 <= rooms[i][j] < n
- All the values of rooms[i] are **unique**.