

841. Keys and Rooms

Description

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`
- `0 <= rooms[i][j] < n`
- All the values of `rooms[i]` are **unique**.

