323. Number of Connected Components in an Undirected Graph

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Question

Total Accepted: **3163** Total Submissions: **7318** Difficulty: **Medium**

Given `n` nodes labeled from `0` to `n - 1` and a list of undirected edges (each edge is a pair of nodes), write a function to find the number of connected components in an undirected graph.

Example 1:

```
     0          3
     |          |
     1 --- 2    4
```

Given `n = 5` and `edges = [[0, 1], [1, 2], [3, 4]]`, return `2`.

Example 2:

```
     0           4
     |           |
     1 --- 2 --- 3
```

Given `n = 5` and `edges = [[0, 1], [1, 2], [2, 3], [3, 4]]`, return `1`.

Note:

You can assume that no duplicate edges will appear in `edges`. Since all edges are undirected, `[0, 1]` is the same as `[1, 0]` and thus will not appear together in `edges`.

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C++

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```
class Solution {
public:
    int countComponents(int n, vector<pair<int, int>>& edges) {

    }
};
```

Custom Testcase

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