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:**

**Input:** n = 5 and edges = [[0, 1], [1, 2], [3, 4]]

0 3

| |

1 --- 2 4

**Output:** 2

**Example 2:**

**Input:** n = 5 and edges = [[0, 1], [1, 2], [2, 3], [3, 4]]

0 4

| |

1 --- 2 --- 3

**Output:**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.