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Number of Connected Components in an Undirected Graph

Try to solve the Number of Connected Components in an Undirected Graph problem.

We'll cover the following

- Statement
- Examples
- Understand the problem
- Try it yourself

Statement

For a given integer, n, and an array, edges, return the number of connected components in a graph containing n nodes.

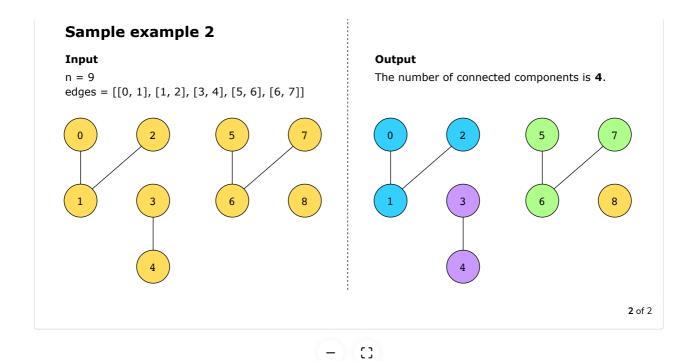
Note: The array $edges_i = [a_i, b_i]$ indicates that there's an edge between a_i and b_i in the graph.

Constraints:

- $1 \le n \le 2000$
- $1 \leq {\sf edges.length} \leq 5000$
- edges[i].length == 2
- $0 \le a_i \le b_i < n$
- $a_i! = b_i$
- There are no repeated edges.

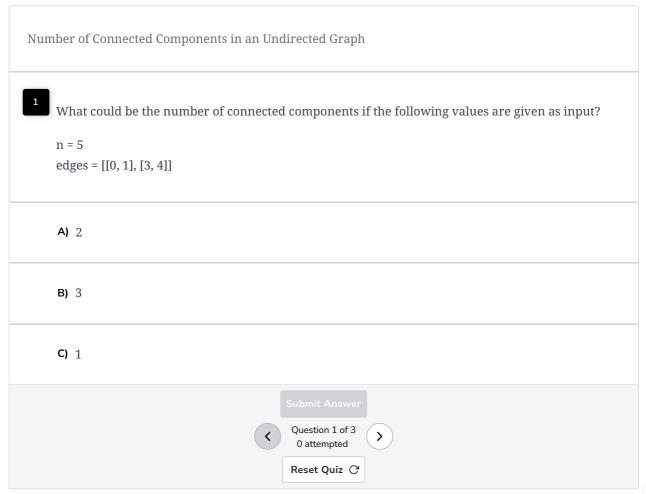
Examples

Sample example 1 Input n = 7 edges = [[0, 1], [3, 4], [4, 5], [5, 6]] 0 2 0 2 0 1 3 5 6 1 3 5 6 ?



Understand the problem

Let's take a moment to make sure you've correctly understood the problem. The quiz below helps you check if you're solving the correct problem:



Try it yourself

Implement your solution in the following coding playground:

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