**Problem Name:** Find if Path exist in Graph

**Topics:**

**Companies:**

**Level:** Easy

**Language:** C++

**Problem Statement**:

Doge is solving a DSA problem but he is having some difficulty with it. Can you help Doge so that he can complete it and play with his friend Cheem?

Problem is:

**Input Format:**

The first line of input is an integer value n (total no of vertex in the graph).

The Second line of input contains integer value m (total no of edges in the graph)

The next m lines contain two space-separated integers forming a graph.

Last line of input contains the integer value source and destination

**Output Format:**

Output bool value 1 or 0 according to problem statement

**Constraints:**

**Examples:**

**Approach one Solution:**

**Explanation:**

BFS: Simple BFS search in a graph starting fromt the start node looking for the end node. Keep pushing the nbrs

**Code:**

**Time Complexity**: O(n) Each node is traversed at most once.

**Space Complexity:** O(n) for queue

**Approach second Solution:**

Explanation: DFS: Recursively keep visiting the nodes and checking if this is the end

**Code:**

**Time Complexity**: O(n) Each node is traversed at most once.

**Space Complexity:** O(n) for recursion stack