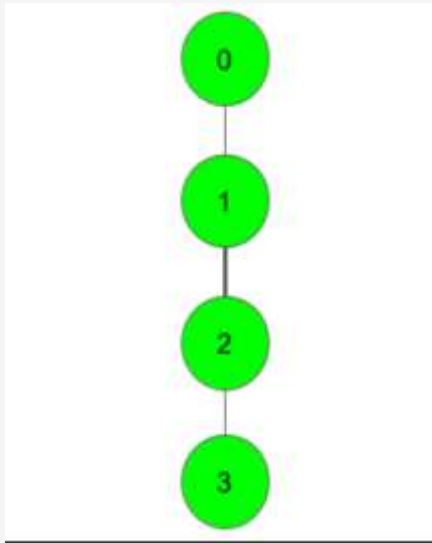


## Bridge edge in a graph

Given a Graph of  $V$  vertices and  $E$  edges and another edge( $c - d$ ), the task is to find if the given edge is a Bridge. i.e., removing the edge disconnects the graph.

### Example 1:

**Input :**



**c = 1, d = 2**

**Output:**

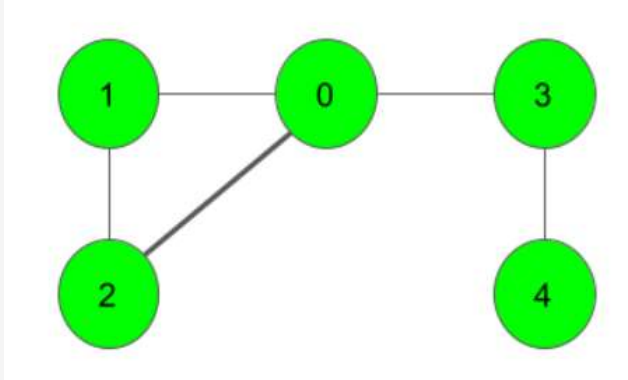
1

**Explanation:**

From the graph, we can clearly see that blocking the edge 1-2 will result in disconnection of the graph. So, it is a Bridge and thus the Output 1.

## Example 2:

**Input:**

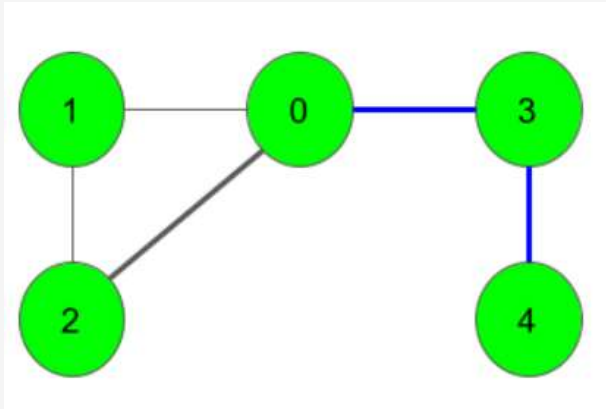


**c** = 0, **d** = 2

**Output:**

0

**Explanation:**



blocking the edge between nodes 0 and 2  
won't affect the connectivity of the graph.  
So, it's not a Bridge Edge. All the Bridge  
Edges in the graph are marked with a blue  
line in the above image.

**Your Task:**

You don't need to read input or print anything. Your task is to complete the function **isBridge()** which takes number of vertices  $V$ , the number of edges  $E$ , an adjacency list `adj` and two integers  $c$  and  $d$  denoting the edge as input parameters and returns 1 if the given edge  $c$ - $d$  is a Bridge. Else, it returns 0.

**Expected Time Complexity:**  $O(V + E)$ .

**Expected Auxiliary Space:**  $O(V)$ .

**Constraints:**

$$1 \leq V, E \leq 10^5$$

$$0 \leq c, d \leq V-1$$