1. **Given a directed graph. Check whether the graph contains a cycle or not.**

**Input Format:**

First line of the custom input must contain two space separated integers V denoting the number of vertices and E denoting the number of edges. Next E lines contains two space-separated integers denoting each edge.

**Example:**

4 4

0 1

1 2

2 3

3 3

https://www.geeksforgeeks.org/detect-cycle-in-a-graph/