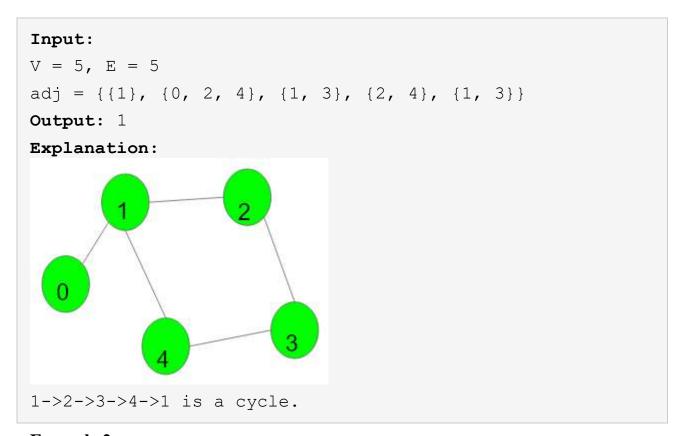
# **Detect cycle in an undirected graph**

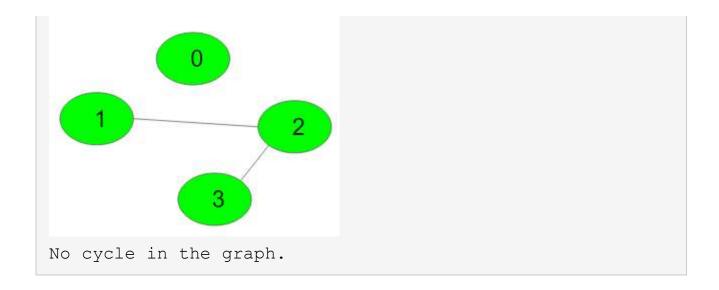
Given an undirected graph with V vertices and E edges, check whether it contains any cycle or not. Graph is in the form of adjacency list where adj[i] contains all the nodes ith node is having edge with.

### Example 1:



## Example 2:

```
Input:
V = 4, E = 2
adj = {{}, {2}, {1, 3}, {2}}
Output: 0
Explanation:
```



### Your Task:

You don't need to read or print anything. Your task is to complete the function **isCycle**() which takes V denoting the number of vertices and adjacency list as input parameters and returns a boolean value denoting if the undirected graph contains any cycle or not, return 1 if a cycle is present else return 0.

**NOTE:** The adjacency list denotes the edges of the graph where edges[i] stores all other vertices to which ith vertex is connected.

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

**Expected Space Complexity:** O(V)

### **Constraints:**

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