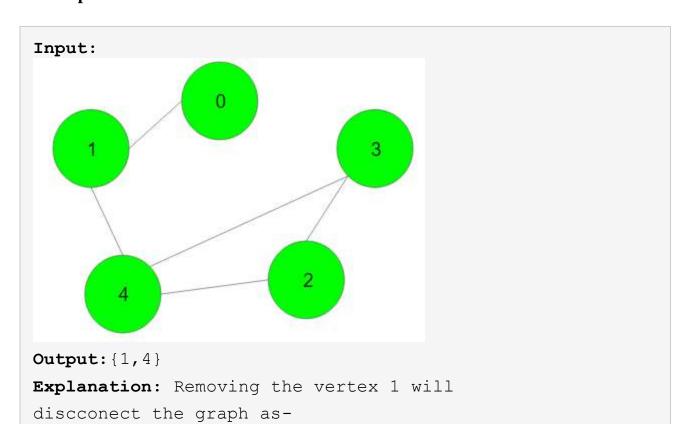
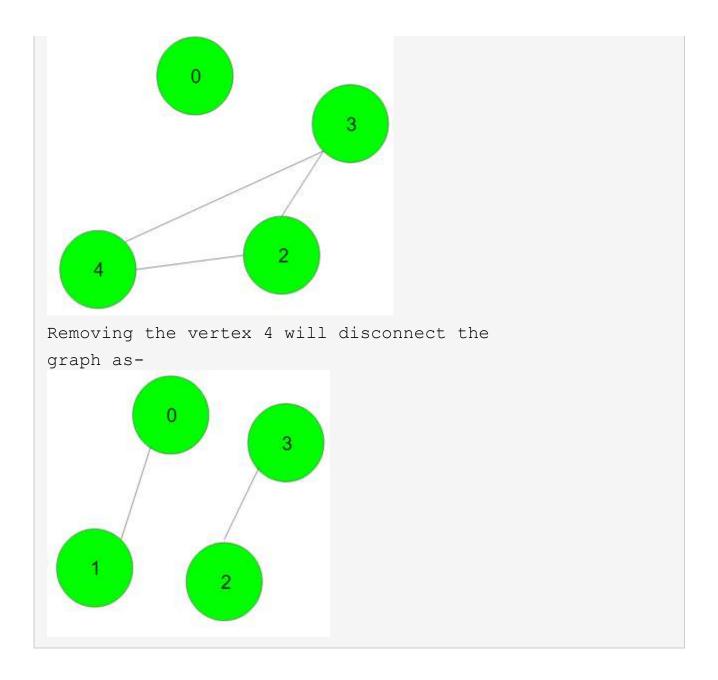
## **Articulation Point**

Given an undirected connected graph with V vertices and adjacency list adj. You are required to find all the vertices removing which (and edges through it) disconnects the graph into 2 or more components.

**Note:** Indexing is zero-based i.e nodes numbering from (0 to V-1). There might be loops present in the graph.

## Example 1:





## Your Task:

You don't need to read or print anything. Your task is to complete the function **articulationPoints()** which takes V and adj as input parameters and returns a list containing all the vertices removing which turn the graph into two or more disconnected components in sorted order. If there are no such vertices then returns a list containing -1.

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

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

## **Constraints:**

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