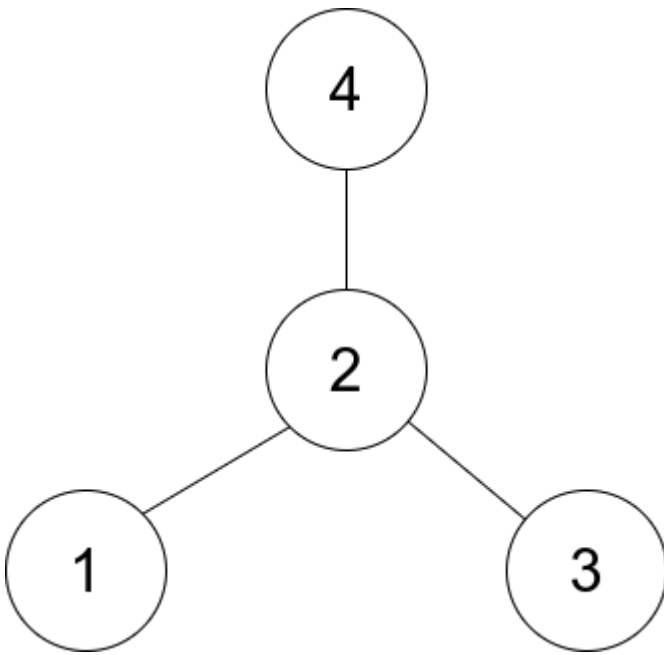


# 1791. Find Center of Star Graph

There is an undirected **star** graph consisting of  $n$  nodes labeled from 1 to  $n$ . A star graph is a graph where there is one **center** node and **exactly**  $n - 1$  edges that connect the center node with every other node.

You are given a 2D integer array `edges` where each `edges[i] = [ui, vi]` indicates that there is an edge between the nodes `ui` and `vi`. Return the center of the given star graph.

**Example 1:**



**Input:** `edges = [1,2],[2,3],[4,2]`

**Output:** 2

**Explanation:** As shown in the figure above, node 2 is connected to every other node, so 2 is the center.

**Example 2:**

**Input:** `edges = [1,2],[5,1],[1,3],[1,4]`

**Output:** 1

**Constraints:**

- $3 \leq n \leq 10^5$
- `edges.length == n - 1`
- `edges[i].length == 2`
- $1 \leq ui, vi \leq n$
- `ui != vi`
- The given `edges` represent a valid star graph.

Solution:

```
class Solution {
    public int findCenter(int[][] edges) {
        if(edges[0][0] == edges[1][0] || edges[0][0] == edges[1][1]){
            return edges[0][0];
        }else{
            return edges[0][1];
        }
    }
}
```