Problem 1791: Find Center of Star Graph

Problem Information

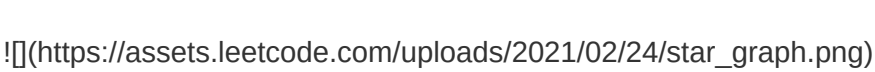
Difficulty: Easy
Acceptance Rate: 86.67%
Paid Only: No
Tags: Graph

Problem Description

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 <= n <= 105` * `edges.length == n - 1` * `edges[i].length == 2` * `1 <= ui, vi <= n` * `ui != vi` * The given `edges` represent a valid star graph.

Code Snippets

C++:

```
class Solution {
public:
int findCenter(vector<vector<int>>& edges) {

}
};
```

Java:

```
class Solution {
public int findCenter(int[][] edges) {

}
}
```

Python3:

```
class Solution:
def findCenter(self, edges: List[List[int]]) -> int:
```