

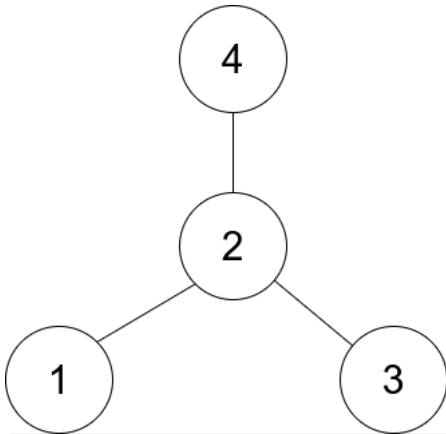
5702. Find Center of Star Graph

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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 u_i and v_i . Return the center of the given star graph.

User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Medium

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`
- $1 \leq u_i, v_i \leq n$
- $u_i \neq v_i$
- The given `edges` represent a valid star graph.

JavaScript



```
1 /**
2  * @param {number[][]} edges
3  * @return {number}
4  */
5 const findCenter = (edges) => {
6   let m = new Map();
7   for (const e of edges) {
8     m.set(e[0], m.get(e[0]) + 1 || 1);
9     m.set(e[1], m.get(e[1]) + 1 || 1);
10  }
11  m = sortMapByValue(m);
12  return m.keys().next().value;
13 };
14
15 const sortMapByValue = (map) => {
16   return new Map([...map].sort((a, b) => b[1] - a[1]));
17 };
```

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