1245. Tree Diameter Premium

Solved ●

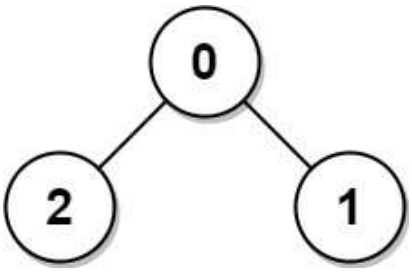
Medium Topics Companies Hint

The **diameter** of a tree is **the number of edges** in the longest path in that tree.

There is an undirected tree of `n` nodes labeled from `0` to `n - 1`. You are given a 2D array `edges` where `edges.length == n - 1` and `edges[i] = [a_i, b_i]` indicates that there is an undirected edge between nodes `a_i` and `b_i` in the tree.

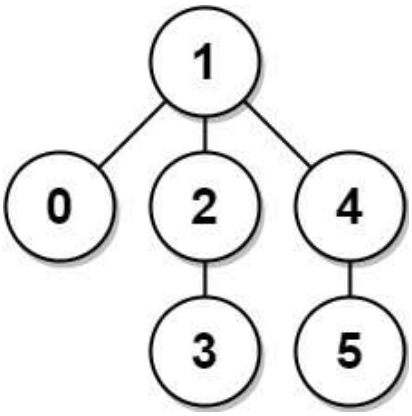
Return *the **diameter** of the tree*.

Example 1:



> **Input:** edges = [[0,1],[0,2]]
> **Output:** 2
> **Explanation:** The longest path of the tree is the path 1 - 0 - 2.

Example 2:



> **Input:** edges = [[0,1],[1,2],[2,3],[1,4],[4,5]]
> **Output:** 4
> **Explanation:** The longest path of the tree is the path 3 - 2 - 1 - 4 - 5.

Constraints:

- `n == edges.length + 1`
- `1 <= n <= 10^4`
- `0 <= a_i, b_i < n`
- `a_i != b_i`

Seen this question in a real interview before? 1/4

Yes No

Accepted 40.5K Submissions 66.3K Acceptance Rate 61.1%

Topics

Companies

Hint 1

Hint 2

Hint 3

Similar Questions

Discussion (7)