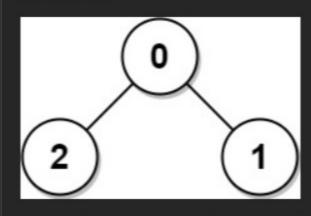
1245. Tree Diameter Premium Medium ♥ Topics ☑ Companies ♥ Hint The diameter of a tree is the number of edges in the longest path in that tree.

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:

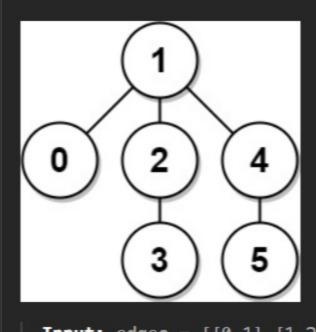


Input: edges = [[0,1],[0,2]]

Output: 2

Explanation: The longest path of the tree is the path $1-\theta-2$.

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 <= 10⁴
- 0 <= a_i, b_i < n
- a_i != b_i

Seen this question in a real interview before? 1/5

Yes No

Meta 3

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Q Hint 1 Start at any node A and traverse the tree to find the furthest node from it, let's call it B.

O Hint 2 Having found the furthest node B, traverse the tree from B to find the furthest node from it, lets call it C.

O Hint 3 The distance between B and C is the tree diameter.

Count Subtrees With Max Distance Between Cities

Find Minimum Diameter After Merging Two Trees

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