

Description

Solution

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## 543. Diameter of Binary Tree

Easy

7785

491

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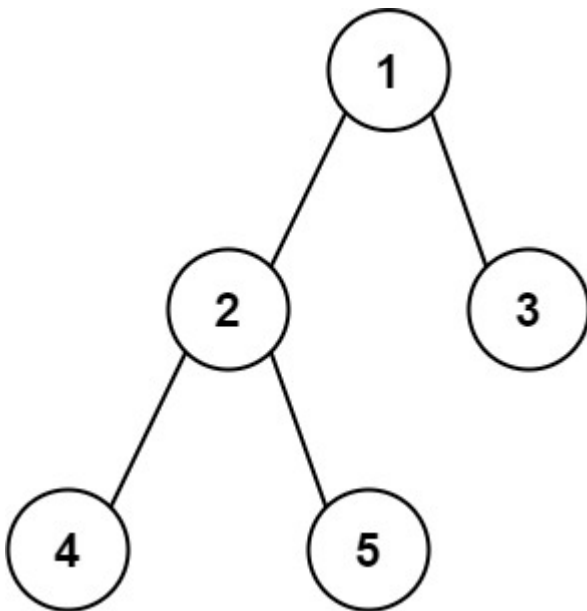
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Given the `root` of a binary tree, return *the length of the **diameter** of the tree*.

The **diameter** of a binary tree is the **length** of the longest path between any two nodes in a tree. This path may or may not pass through the `root`.

The **length** of a path between two nodes is represented by the number of edges between them.

### Example 1:



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

Output: 3

Explanation: 3 is the length of the path [4,2,1,3] or [5,2,1,3].

### Example 2:

Input: `root = [1,2]`

Output: 1

### Constraints:

- The number of nodes in the tree is in the range  $[1, 10^4]$ .

Problems

Pick One