608. Tree Node

Description

Table: Tree

| ++- | + |
|---|------|
| Column Name | Type |
| ++- | + |
| id | int |
| p_id | int |
| ++- | + |
| id is the column with unique values for this table. | |
| Each row of this table contains information about the id of a node and the id of its parent node in a tree. | |
| The given structure is always a valid tree. | |

Each node in the tree can be one of three types:

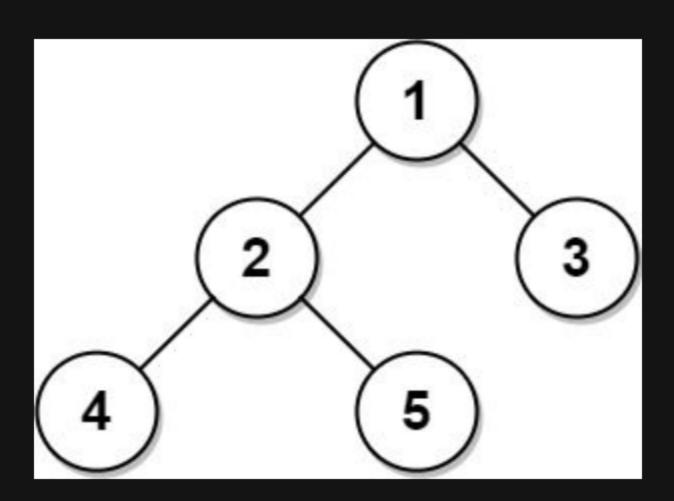
- "Leaf": if the node is a leaf node.
- "Root": if the node is the root of the tree.
- "Inner": If the node is neither a leaf node nor a root node.

Write a solution to report the type of each node in the tree.

Return the result table in any order.

The result format is in the following example.

Example 1:



Example 2:

