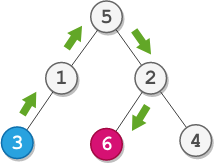
You are given the root of a **binary tree** with n nodes. Each node is uniquely assigned a value from 1 to n. You are also given an integer startValue representing the value of the start node s, and a different integer destValue representing the value of the destination node t.

Find the **shortest path** starting from node s and ending at node t. Generate step-by-step directions of such path as a string consisting of only the **uppercase** letters 'L', 'R', and 'U'. Each letter indicates a specific direction:

* 'L' means to go from a node to its **left child** node.
* 'R' means to go from a node to its **right child** node.
* 'U' means to go from a node to its **parent** node.

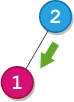
Return *the step-by-step directions of the* ***shortest path*** *from node* s *to node* t.

**Example 1:**



Input: root = [5,1,2,3,null,6,4], startValue = 3, destValue = 6  
Output: "UURL"  
Explanation: The shortest path is: 3 → 1 → 5 → 2 → 6.

**Example 2:**



Input: root = [2,1], startValue = 2, destValue = 1  
Output: "L"  
Explanation: The shortest path is: 2 → 1.

**Constraints:**

* The number of nodes in the tree is n.
* 2 <= n <= 105
* 1 <= Node.val <= n
* All the values in the tree are **unique**.
* 1 <= startValue, destValue <= n
* startValue != destValue