```
题目描述:
有一棵二叉树,每个节点由一个大写字母标识(最多 26 个节点)。现有两组字母,分别表
示后序遍历(左孩子->右孩子->父节点)和中序遍历(左孩子->父节点->右孩子)的结果,
请输出层次遍历的结果。
输入描述:
输入为两个字符串,分别是二叉树的后续遍历和中序遍历结果。
输出描述:
输出二叉树的层次遍历结果。
补充说明:
示例 1
输入:
CBEFDA CBAEDF
输出:
ABDCEF
说明:
二叉树为:
  Α
 /\
 BD
/ /\
C E F
import java.util.*;
// 注意类名必须为 Main, 不要有任何 package xxx 信息
public class Main {
  private String postorder;
```

private String inorder; private class TreeNode{ public char val;

> public TreeNode left; public TreeNode right; public TreeNode(char val){ this.val = val;

```
}
    }
    public static void main(String[] args) {
         Scanner in = new Scanner(System.in);
         String postorderStr = in.next();
         String inorderStr = in.next();
         Main mainClass = new Main();
         mainClass.postorder = postorderStr;
         mainClass.inorder = inorderStr;
         TreeNode root = mainClass.buildTree(0, postorderStr.length() - 1, 0, inorderStr.length() -
1);
         System.out.println(mainClass.traversal(root));
    }
     private TreeNode buildTree(int postLeft, int postRight, int inLeft, int inRight){
         TreeNode root = new TreeNode(postorder.charAt(postRight));
         int inorderRootIndex = 0;
         for(inorderRootIndex = inLeft; inorderRootIndex <= inRight; inorderRootIndex++){
              if(inorder.charAt(inorderRootIndex) == postorder.charAt(postRight))
                   break;
         }
         int leftNodeNum = inorderRootIndex - inLeft;
         int rightNodeNum = inRight - inorderRootIndex;
         if(leftNodeNum > 0)
              root.left = buildTree(postLeft, postLeft + leftNodeNum - 1, inLeft,
inorderRootIndex - 1);
         if(rightNodeNum > 0)
              root.right = buildTree(postLeft + leftNodeNum, postRight - 1, inorderRootIndex + 1,
inRight);
         return root;
    }
     private String traversal(TreeNode root){
         String ans = "";
         Queue<TreeNode> queue = new LinkedList<>();
         queue.offer(root);
         while(!queue.isEmpty()){
              TreeNode node = queue.poll();
              ans = ans + node.val;
```