

Complete the *inOrder* function in your editor below, which has **1** parameter: a pointer to the root of a binary tree. It must print the values in the tree's inorder traversal as a single line of space-separated values.

Input Format

Our hidden tester code passes the root node of a binary tree to your *inOrder* function.

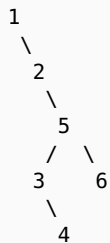
Constraints

$1 \leq \text{Nodes in the tree} \leq 500$

Output Format

Print the tree's inorder traversal as a single line of space-separated values.

Sample Input



Sample Output

1 2 3 4 5 6