Tree: Inorder Traversal

In this challenge, you are required to implement inorder traversal of a tree.

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

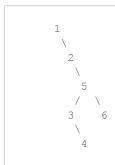Our hidden tester code passes the root node of a binary tree to your $inOrder*$ function.

Constraints

$1 \leq Nodes\ in\ the\ tree \leq 500$

Output Format

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

Sample Input

```
    1
     \
      2
       \
        5
       /  \
      3     6
       \
        4
```

Sample Output

```
1 2 3 4 5 6
```

Explanation

The tree's inorder traversal results in $1\ 2\ 3\ 4\ 5\ 6$ as the required result.