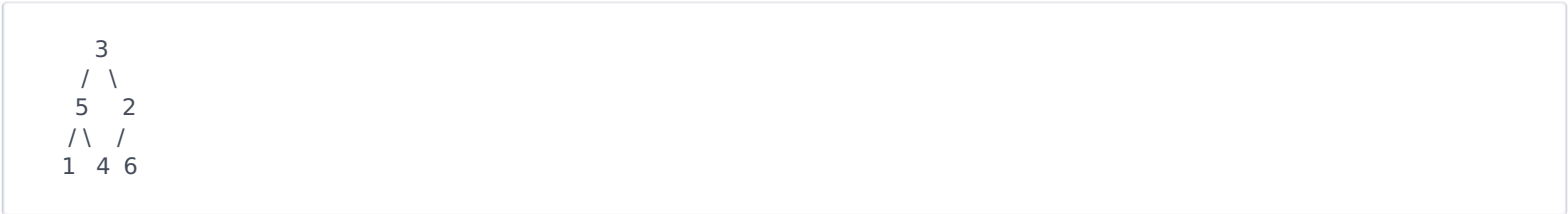


Day 23: Review+Binary Trees!

Welcome to Day 23! Review everything we've learned so far by making Tic Tac Toe from scratch with [this video](#), or just jump right into the problem.

You are given a pointer *root* pointing to the root of a binary tree. You need to print the *level order* traversal of this tree. In level order traversal, we visit the nodes level by level from left to right. For example:



For the above tree, the level order traversal is 3 -> 5 -> 2 -> 1 -> 4 -> 6.

HINT: A queue could be helpful.

The code for input/output is already handled in the editor. You only have to complete the function *levelOrder* given in the editor.

Good luck!

Input Format

First line contains *T*, the number of test cases. Next *T* lines contain an integer *data* to be added to the binary search tree.

Output Format

Print the values of the level order traversal separated by spaces.

Sample Input

```
6
3
5
4
7
2
1
```

Sample Output

```
3 2 5 1 4 7
```

Explanation



/ ^
Level 3: 1 4 7

We need to print the nodes level by level. We process each level from left to right.
Level Order Traversal: 3 -> 2 -> 5 -> 1 -> 4 -> 7