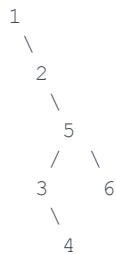


Tree : Top View

Given a pointer to the root of a binary tree, print the top view of the binary tree.

The tree as seen from the top the nodes, is called the top view of the tree.

For example :



Top View : 1 – > 2 – > 5 – > 6

Complete the function *topView* and print the resulting values on a single line separated by space.

Input Format

You are given a function,

```
void topView(node * root) {  
  
}
```

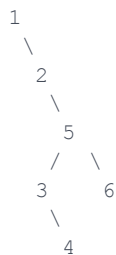
Constraints

1 ≤ Nodes in the tree ≤ 500

Output Format

Print the values on a single line separated by space.

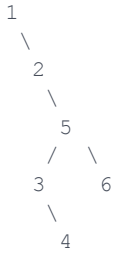
Sample Input



Sample Output

1 2 5 6

Explanation



From the top, only nodes **1, 2, 5, 6** are visible.