

Tree : Top View

You are given a pointer to the root of a binary tree. Print the top view of the binary tree.
You only have to complete the function.
For example :

```
      3
     /\
    5  2
   /\ /\
  1 46 7
   \ /
   9 8
Top View : 1 -> 5 -> 3 -> 2 -> 7
```

Input Format

You are given a function,

```
void top_view(node * root)
{

}
```

Output Format

Print the values on a single line separated by space.

Sample Input

```
      3
     /\
    5  2
   /\ /\
  1 46 7
   \ /
   9 8
```

Sample Output

```
1 5 3 2 7
```

Explanation

```
      3
     /\
    5  2
   /\ /\
  1 46 7
   \ /
   9 8
```

From the top only nodes 1,5,3,2 and 7 will be visible.