**Maximum Width In Binary Tree**

#include <bits/stdc++.h>

int getMaxWidth(TreeNode<int> \*root)

{

if (!root)

return 0;

int maxWidth = 0;

int currWidth = 0;

queue<TreeNode<int>\*> q;

q.push(root);

q.push(NULL);

while (!q.empty()) {

TreeNode<int>\* curr = q.front();

if (curr == NULL && q.size() == 1) {

maxWidth = max(maxWidth, currWidth);

q.pop();

currWidth = 0;

continue;

}

if (curr == NULL && q.size() > 1) {

maxWidth = max(maxWidth, currWidth);

q.pop();

q.push(NULL);

currWidth = 0;

continue;

}

if (curr->left)

q.push(curr->left);

if (curr->right)

q.push(curr->right);

currWidth++;

q.pop();

}

return maxWidth;

}