LEETCODE- BATCH 01

**Leaf-Similar Trees**

bool leafSimilar(struct TreeNode\* root1, struct TreeNode\* root2) {

int leafValues1[1000], leafValues2[1000];

int i = 0, j = 0;

getLeafValues(root1, &i, leafValues1);

j = getLeafValues(root2, &j, leafValues2);

if (i != j) {

return false;

}

for (int k = 0; k < i; k++) {

if (leafValues1[k] != leafValues2[k]) {

return false;

}

}

return true;

}

int getLeafValues(struct TreeNode\* root, int\* index, int\* leafValues) {

if (!root) {

return \*index;

}

if (!root->left && !root->right) {

leafValues[(\*index)++] = root->val;

}

\*index = getLeafValues(root->left, index, leafValues);

\*index = getLeafValues(root->right, index, leafValues);

return \*index;

}

