文本

描述已自动生成

#include <bits/stdc++.h>

**using** **namespace** std;

string pre, in;

int index;

**struct** node {

char v;

node \*lch, \*rch;

node(char i): v(i), lch(**nullptr**), rch(**nullptr**) {}

};

void dfs(int l, int r, int &t, node\* &root) {

int id = -1;

**for** (int i = l; i < r; i++) {

**if** (in[i] == pre[t]) {

id = i;

**break**;

}

}

**if** (id == -1)

**return**;

root = **new** node(in[id]);

t++;

**if** (id > l) {

dfs(l, id, t, root->lch);

}

**if** (id < r) {

dfs(id, r, t, root->rch);

}

}

void dfs\_post(node \*root) {

**if** (!root)

**return**;

dfs\_post(root->lch);

dfs\_post(root->rch);

cout << root->v;

}

int main() {

ios\_base::sync\_with\_stdio(false);

cin.tie(NULL);

cin >> pre >> in;

node \*root;

int t = 0;

dfs(0, pre.size(), t, root);

cout << "post order: ";

dfs\_post(root);

**return** 0;

}

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