ss TextEditor {

stack<char> left;

stack<char> right;

public:

TextEditor() {

}

void addText(string text) {

for(auto &c : text){

left.push(c);

}

}

int deleteText(int k) {

int cnt=0;

while(!left.empty() and k>0){

left.pop();

cnt++;

k--;

}

return cnt;

}

string cursorLeft(int k) {

while(!left.empty() and k>0){

char c = left.top();left.pop();

right.push(c);

k--;

}

return cursorShiftString();

}

string cursorRight(int k) {

while(!right.empty() and k>0){

char c = right.top();right.pop();

left.push(c);

k--;

}

return cursorShiftString();

}

string cursorShiftString(){

string rtn = "";

int cnt=10;

while(!left.empty() and cnt>0){

char c = left.top();left.pop();

rtn += c;

cnt--;

}

reverse(rtn.begin(),rtn.end());

for(int i=0;i<rtn.size();i++){

left.push(rtn[i]);

}

return rtn;

}