//문제 1

function solution1() {

let arr = gets().trim().split(' ');

//정렬후 정렬된 값이 같으면 참을 return

if (arr[0].toLowerCase().split('').sort().join('') == arr[1].toLowerCase().split('').sort().join('')) print('True');

else print('False');

}

//문제 2

function solution2() {

let a = gets().split('');

let max1 = [0, 0, 1];

//홀수

for (let i = 0; i < a.length; i++) {

for (let j = 1; j < i; j++) {

if (a[i + j] == a[i - j]) {

if(max1[1] < j){

max1[0] = i;

max1[1] = j;

}

} else break;

}

}

//짝수

for (let i = 0; i < a.length - 1; i++) {

if (a[i] != a[i + 1]) break;

for (let j = 1; j < i; j++) {

if (a[i - j] == a[i + j + 1]) {

if(max1[1] < j){

max1[0] = i;

max1[1] = j;

max1[2] = 2;

}

} else break;

}

}

let ans = a.slice(max1[0] - max1[1], max1[0] + max1[1] + max1[2]);

print(ans.join(''));

}

//문제 3

function solution3() {

let inp = gets().split('');

let score = 0,

plusScore = 1,

temp = 0,

pow = 0;

for (let i = 0; i < inp.length; i++) {

if (inp[i] == 'S') {

pow = 1;

} else if (inp[i] == 'D') {

pow = 2;

} else if (inp[i] == 'T') {

pow = 3;

} else {

if (inp[i] == '\*') {

if (plusScore == 2) {

plusScore = 4;

} else {

plusScore = 2;

}

} else if (inp[i] == '#') {

if (plusScore == 2) {

plusScore = -2;

} else {

plusScore = -1;

}

} else {

if (inp[i] == 1 && inp[i + 1] == 0) {

temp = 10;

i++;

} else {

temp = Number(inp[i]);

}

}

}

//바로 뒷값이 숫자이거나 undefined상태일떄

if (!isNaN(inp[i + 1]) || (i + 1 == inp.length)) {

score += Math.pow(temp, pow) \* plusScore;

pow = 0;

temp = 0;

if (inp[i] == '\*') {

plusScore = 2;

} else {

plusScore = 1;

}

}

}

print(score);

}