#define \_CRT\_SECURE\_NO\_WARNINGS

#include <stdio.h>

#include <math.h>

void vvod(int a[20][20], int n,int m);

void vivod(int a[20][20], int n, int m);

void work(int a[20][20], int n, int m);

void vvod(int a[20][20], int n, int m) {

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

printf("Enter string %d ",i+1);

for (int j = 0; j < m; j++) {

scanf("%d",&a[i][j]);

}

printf("\n");

}

}

void vivod(int a[20][20], int n, int m){

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

for (int j = 0; j < m; j++) {

printf("%d ", a[i][j]);

}

printf("\n");

}

}

void work(int a[20][20], int n, int m){

int o,cont = 0;

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

cont = 0;

for (int j = 1; j < m; j++) {

if (a[i][j - 1] > a[i][j]) {

cont = 1;

}

}

if (cont == 0) {

for (int j = 0; j < m / 2 - 0.5; j++) {

o = a[i][j];

a[i][j] = a[i][m - j - 1];

a[i][m - j - 1] = o;

}

}

}

}

void main(){

int a[20][20], n, m;

scanf("%d%d", &m, &n);

vvod(a, n, m);

printf("Your matrix\n");

vivod(a, n, m);

work(a,n,m);

printf("New matrix\n");

vivod(a,n,m);

}