//1번 해결 못함.

function solution1\_1() {

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

let num = Number(nandm[0]);

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

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

let arr = Array.from(Array(num), () => Array(num).fill(100001));

for (let i = 0; i < num; i++) {

arr[i][i] = 0;

}

for (let i = 0; i < Number(nandm[1]); i++) {

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

temp[0] = nodes.indexOf(temp[0]);

temp[1] = nodes.indexOf(temp[1]);

temp[2] = Number(temp[2]);

arr[temp[0]][temp[1]] = temp[2];

arr[temp[1]][temp[0]] = temp[2];

}

let visit = Array(num).fill(false);

let dist = Array(num).fill(100001);

let pre = Array(num).fill(-1);

function dijkstra(start) {

for (let i = 0; i < num; i++) {

dist[i] = arr[start][i];

pre[i] = start;

}

visit[start] = true;

for (let i = 0; i < num; i++) {

let cc = getMinIndex();

visit[cc] = true;

for (let j = 0; j < arr.length; j++) {

if (!visit[j]) {

if (dist[cc] + arr[cc][j] < dist[j]) {

dist[j] = dist[cc] + arr[cc][j];

pre[j] = cc;

}

}

}

}

function getMinIndex() {

let min = 100001;

let index = 0;

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

if (dist[i] < min && !visit[i]) {

min = dist[i];

index = i;

}

}

return index;

}

}

let ans = [];

let near = nodes.indexOf(fromto[1]);

while(pre[near] != -1){

ans.push(nodes[near]);

near = pre[near];

}

dijkstra(nodes.indexOf(fromto[0]));

print(ans.reverse().join(''));

print(dist[nodes.indexOf(fromto[1])]);

}

2, 3번 해결 못함