//Given that as a method of apartmentHunting and passing parameters here : blocks and reqs

function apartmentHunting (blocks, reqs) {

// check if the reqs are available in every block

// store the total of result reqs in hashMap;

const dataMap = new Map(reqs.map((req) => [req, 0]));

const dataSet = new Set();

let result = 0;

const resultLength = reqs.length;

let t1 = 0;

let resArray = [];

let minTime = Infinity;

blocks.forEach((block, index) => {

reqs.forEach((req) => {

if (block[req]) {

dataMap.set(req, dataMap.get(req) + 1);

if (!dataSet.has(req)) {

dataSet.add(req);

result++;

}

}

})

//Compare the result and resultLength

while (result === resultLength) {

let lastBlock = blocks[t1];

let dist = index - t1;

if (dist < minTime) {

minTime = dist;

res = [t1, index];

}

reqs.forEach((req) => {

if (lastBlock[req]) {

dataMap.set(req, dataMap.get(req) - 1);

const total = dataMap.get(req);

if (dataSet.has(req) && total < 1) {

dataSet.delete(req);

result--;

}

}

})

t1++;

}

})

//return the res

return res[0] > -1 ? Math.floor((res[0]+res[1])/2) : null;

}

// Do not edit the line below.

exports.apartmentHunting = apartmentHunting;