Problem Link:

<https://leetcode.com/problems/zero-array-transformation-i/?envType=daily-question&envId=2025-05-20>

Solution:

class Solution {

public:

bool isZeroArray(vector<int>& nums, vector<vector<int>>& queries) {

int n = nums.size();

vector<int> f(n + 1, 0);

for(auto& q : queries)

{

int l = q[0], r = q[1];

f[l]++;

if(r + 1 <= n)

f[r + 1]--;

}

for(int i = 1; i < n; ++i)

{

f[i] += f[i - 1];

}

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

{

if(nums[i] > f[i])

return false;

}

return true;

}

};