Problem Link:

<https://leetcode.com/problems/count-of-interesting-subarrays/?envType=daily-question&envId=2025-04-25>

Solution:

class Solution {

public:

long long countInterestingSubarrays(vector<int>& nums, int modulo, int k) {

map<int, long long> m;

m[0] = 1;

long long res = 0;

long long psum = 0;

for(int num : nums)

{

if(num % modulo == k)

{

psum++;

}

int n = (psum - k) % modulo;

if(n < 0)

n += modulo;

res += m[n];

int msum = psum % modulo;

m[msum]++;

}

return res;

}

};