Problem Link:

<https://leetcode.com/problems/number-of-sub-arrays-with-odd-sum/?envType=daily-question&envId=2025-02-25>

Solution:

class Solution {

public:

int numOfSubarrays(vector<int>& arr) {

const int m = 1e9 + 7;

int o = 0, e = 1, s = 0, c = 0;

for(int n : arr)

{

s += n;

if(s % 2 != 0)

{

c = (c + e) % m;

o++;

}

else

{

c = (c + o) % m;

e++;

}

}

return c;

}

};