CSES Problem Set

Bit Substrings

Submission details

Task:	Bit Substrings
Sender:	Rodry
Submission time:	2021-12-23 09:20:11
Language:	C++17
Status:	READY
Result:	TIME LIMIT EXCEEDED

Test results

test	verdict	time	
#1	ACCEPTED	0.01 s	»
#2	ACCEPTED	0.01 s	»
#3	ACCEPTED	0.01 s	»
#4	TIME LIMIT EXCEEDED	--	»
#5	TIME LIMIT EXCEEDED	--	»
#6	TIME LIMIT EXCEEDED	--	»
#7	TIME LIMIT EXCEEDED	--	»
#8	TIME LIMIT EXCEEDED	--	»

Code

```
1 #include <bits/stdc++.h>
2 using namespace std;
3
4 void printArray(int A[],int n){
5     for(int i=0;i<n;i++)
6         cout<<A[i]<<" ";
```


Additional Problems

...
Grid Puzzle II -
Empty String -
Grid Paths -
Bit Substrings ×
Reversal Sorting -
Counting Reorders -
Book Shop II -
Network Breakdown -
...

Your submissions

2021-12-23 09:20:11 ×
2021-12-23 09:17:15 ×
2021-12-23 09:16:35 ×
2021-12-23 09:15:19 ×

```cpp
}

int Bit_Substrings(int A[],int n){
    int B[n+1];
    B[0]=0;

    for(int i=1;i<n+1;i++){
        B[i]=B[i-1]+A[i-1];
    }

    int ANS[n+1];
    for(int i=0;i<n+1;i++) ANS[i]=0;

    for(int size=0;size<n+1;size++){
        for(int i=1,j=i+size;j<n+1;i++,j++){
            int unos=0;
            if(B[i]!=B[i-1]) unos++;
            unos+=B[j]-B[i];
            ANS[unos]++;

        }

    }
    printArray(ANS,n+1);

    return 0;
}

int main(){

    string S;
    cin>>S;
    int n = S.size();
    int A[n];
    for(int i=0;i<n;i++)
        A[i] = S[i] - '0';

    Bit_Substrings(A,n);

    return 0;
}
```

Share code to others

Test details

Test 1

Verdict: ACCEPTED

input
0000000000000

correct output
91 0 0 0 0 0 0 0 0 0 0 0 0 0

user output
91 0 0 0 0 0 0 0 0 0 0 0 0 0

Test 2

Verdict: ACCEPTED

input
11111111111111

correct output
0 14 13 12 11 10 9 8 7 6 5 4 3...

user output
0 14 13 12 11 10 9 8 7 6 5 4 3...

Test 3

Verdict: ACCEPTED

input
0001010010110101 00

correct output
16 34 31 23 20 21 14 12 0 0 0 ...

user output
16 34 31 23 20 21 14 12 0 0 0 ...

Test 4

Verdict: TIME LIMIT EXCEEDED

input
10011000000010010111001111111 10...

correct output
198699 400003 399460 399666 39...

user output
(empty)

Test 5

Verdict: TIME LIMIT EXCEEDED

input
11011111110111111111111111111 11...

correct output
3888 203870 203891 203860 2038...

user output
(empty)

Test 6

Verdict: TIME LIMIT EXCEEDED

input
00001100010101000000000000001...

correct output
595547 796400 786606 794504 78...

user output
(empty)

Test 7

Verdict: TIME LIMIT EXCEEDED

input
00000000000000000000000000000...

correct output
20000100000 0 0 0 0 0 0 0 0 0 ...

user output
(empty)

Test 8

Verdict: TIME LIMIT EXCEEDED

input
00000000000000000000000000000...

correct output
9999900000 10000000000 0 0 0 0...

user output
(empty)