**ALGERIAN OLYMPIAD IN INFORMATICS
& EUREKA NHSM CLUB**

The first AOI College Cup

December 14th, 2024

Task 1 - Count the Ones
This task is worth 100 points

Task 1 - Count the Ones

You have a string S that consists of zeroes "0" and ones "1". Count the number of substrings (contiguous subsegments)that consist of only ones "1".

Example :

Let S="00110". Then "011" is a subsequence of S while "010" is not.

Input

One line that contains S which consists only of ones and zeroes.

Output

Output a single integer which is the number of substrings that consist only of ones.

Subtasks
Your program will be tested against several test cases grouped in subtasks. In order to obtain the score of a subtask, your program needs to correctly solve all of its test cases

Subtask 1 (14 pts) : $|S| = 1$
Subtask 2 (23 pts) : $1 \leq |S| \leq 100$
Subtask 3 (27 pts) : $1 \leq |S| \leq 10^5$ and S contains either only ones or only zeroes.
Subtask 4 (36 pts) : $1 \leq |S| \leq 10^5$ with no further constraints.

Examples

Input	Output
101110	7

Explanation of test #1: