

In an alternate universe, Cersei has held captive Jon Snow. She accused Jon of rebelling against the throne by being Daenerys's ally. Jon denied, saying that he was fighting against the White walkers for the greater good. But as Cersei would have had it, she ordered death penalty to Jon. Tyrion, being a good friend of Jon and being aware of the Cersei's cruelty, suggests Jon about Trial by Combat.

Cersei knows that Jon is a great warrior & could not be defeated in the combat, doesn't grant Jon the wish for trial by combat. She rather tricked Jon to solve a puzzle for her, in which if he succeeds will not be given the death penalty but would still continue to be her prisoner.

All that Jon needs is to buy some time for himself, so that he could plan his escape & revenge his father's death. So, he readily agrees to it & accepts the challenge.

Jon has been given a binary string of some random length. He needs to transfer this string into a string of zeroes, with minimum operations.

An operation is nothing but taking some prefix of the string & flipping all its values. Hence, all the 1's in the prefix will be turned to 0's and vice-versa.

Jon can perform such operations any number of times over any a prefix of any length of the string.

But as you all would have guessed it, Jon knows nothing. You being Sam, Maestar of the Citadel, must help Jon, as he has saved your life many times.

Input :

The only line of input is the string which Cersei gives to Jon.

Output:

A single line containing one integer, the minimum number of operations needed to transform the string given by Cersei into a string of zeroes.

Example:

Input:

010100

Output:

4

Explanation:

Operation 1:

Flip all the values in the prefix of length 4 and transform it into 101000

Operation 2:

Flip all the values in the prefix of length 3 and transform it into 010000

Operation 3:

Flip all the values in the prefix of length 2 and transform it into 100000

Operation 4:

Flip all the values in the prefix of length 1 and transform it into 000000

