

## Problem B. Best Problem

Input file:            standard input  
Output file:          standard output  
Time limit:           1 second  
Memory limit:        1024 megabytes

You are given a binary string  $S$ . You can perform the following operation any number of times:

- Replace one substring '0101' with '1010'.

What is the maximum number of operations you can perform?

### Input

A binary string  $S$  ( $1 \leq |S| \leq 5 \times 10^6$ ).

### Output

One integer — the answer.

### Examples

| standard input                                                                                                                                                                        | standard output |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 10100010011001011111                                                                                                                                                                  | 5               |
| 0000010101100110101101010110000110100\<br>1110000100101111111001011011101010001\<br>11101111010101010010101010<br>(There won't be extra line breakers \<br>in the actual test cases.) | 58              |