

Sharmeen And Digits

Sharmeen is a little girl who loves digits very much but unfortunately she knows the only digit which is 0(Zero). If you give her a number she can tell you how many 0's are there.

Can you do it for Sharmeen?

Input

You will be given an integer n ($-10^8 \leq n \leq 10^8$)

Output

You have to print how many 0's are in this integer.

Example

Input:

100604

Output:

3