

C. Without Text

time limit per test: 2 seconds
memory limit per test: 64 megabytes
input: standard input
output: standard output

You can preview the image in better quality by the link: <http://assets.codeforces.com/files/656/without-text.png>

Input

The only line of the input is a string (between 1 and 50 characters long, inclusive). Each character will be an alphanumeric character or a full stop ".".

Output

Output the required answer.

Examples

input
Codeforces
output
-87

input
APRIL.1st
output
17