

## Problem 3 – Softuni Numerals

The standard decimal numbers are boring as hell, so we at SoftUni never use them. Instead, we use several predefined digits with which we create our own numbers. Those digits are:

0	1	2	3	4
aa	aba	bcc	cc	cdc

For example, the string **ababcccccdc** is the number **1234**. Your task is to convert a Softuni numeral string to a standard decimal number. ( $1234_5 \rightarrow 194_{10}$ )

A numeral string can be transformed as exactly **one** decimal number.

### Input

- There is one line of input – the numeral string.

### Output

- On the only output line, print the resulting decimal number.

### Constraints

- The length of the input string is between 2 and 150.
- Allowed time/space 0.1s (C#), 0.25s (Java)/16MB

Input	Output
cdc	4

Input	Output
abaaa	5

Input	Output
ababcccccdc	194