Problem 4 - Computer Studies Homework

It is the first day of your little brother to take computer studies in secondary school. The first homework for him is "convert a hexadecimal number to a decimal number". He finishes this homework within 10 minutes, and you doubt the correctness of his program. As a computer science student, you also write a program for this homework. Of course you don't allow your brother to read your code, you just want to compare your output with his.

Input and Output

Read a list of hexadecimal number, and output the decimal base of this number. Note that there will be negative number.

Sample Input

```
0
-1
10
```

Sample Output

```
0
-1
16
```