Balanced Numbers

A balanced number is a `3`-digit number whose second digit is equal to the sum of the first and last digit.

Write a program which reads and sums balanced numbers. You should stop when an unbalanced number is given.

Input

Input data is read from the standard input

- Numbers will be given
  - Each one will be on a separate line

Output

Print to the standard output

Constraints

- No more than `1000` numbers will be given

Sample tests

Input

```
132
123
```

Output

```
132
```

Input

```
275
693
110
742
```

Output

```
1078
```