

Sum of Numbers

Time Limit : 1 sec, Memory Limit : 131072 KB

Sum of Numbers

Write a program which reads an integer and prints sum of its digits.

Input

The input consists of multiple datasets. For each dataset, an integer x is given in a line. The number of digits in x does not exceed 1000.

The input ends with a line including single zero. Your program should not process for this terminal symbol.

Output

For each dataset, print the sum of digits in x .

Sample Input

```
123
55
1000
0
```

Sample Output

```
6
10
1
```

Source: https://onlinejudge.u-aizu.ac.jp/problems/ITP1_8_B