

First and Last Digit

Problem Code: **FLOW004**

If Give an integer **N** . Write a program to obtain the sum of the first and last digit of this number.

Input

The first line contains an integer **T**, total number of test cases. Then follow **T** lines, each line contains an integer **N**.

Output

Display the sum of first and last digit of **N**.

Constraints

- $1 \leq T \leq 1000$
 - $1 \leq N \leq 1000000$
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Example

Input

3

1234

124894

242323

Output

5

5

5