

SUM OF DIGITS

You are being given a number N . ($1 \leq N \leq 10^{50}$) . You have to print the sum of digits of that particular number .

Input

The first line will contain T , the number of testcases ($T < 10$) . The next T lines will contain the numbers whose sum of digits you have to calculate .

Output

Output T lines containing the Sum of Digits of the numbers .

Example

Input:

3

123123123

3434

1234567890

Output:

18

14

45