Problem J. A+B Again?

Time limit 1000 ms **Mem limit** 262144 kB

Given a two-digit positive integer n, find the sum of its digits.

Input

The first line contains an integer t (1 $\leq t \leq$ 90) — the number of test cases.

The only line of each test case contains a single two-digit positive integer n ($10 \le n \le 99$).

Output

For each test case, output a single integer — the sum of the digits of n.

Examples

Input	Output
8	14
77	3
	4
40	7
34	10
19	12
84	1
21 40 34 19 84 10	18
99	