

Sum of Pairs

You are given n pairs of integers. For each pair, you need to calculate the sum of the two numbers and output the result. This task will help you practice basic addition and handling multiple inputs.

Input

The first line contains a single integer n ($1 \leq n \leq 100$), representing the number of pairs.

Each of the next n lines contains two integers a and b ($-1000 \leq a, b \leq 1000$), representing a pair of numbers.

Output

Output n lines, where each line contains a single integer representing the sum of the corresponding pair of numbers from the input.

Sample

Input	Output
3	3
1 2	2
-5 7	50
100 -50	

Notes

For the first pair, $1 + 2 = 3$

For the second pair, $-5 + 7 = 2$

For the third pair, $100 + (-50) = 50$