Reversed sum

Let's take a function defined this way: **reverse(a int) int**. It takes one integer and returns its reversed value.
So we have
reverse(1000) = 1
reverse(1234) = 4321.

Question

Can you write a program that output the result of : reverse(reverse(a) + reverse(b)), where a and b are positive integers?

Input

The input consist of N test cases.The first line of the input contains only positive integer N. Then follow the cases. Each case consist of exactly one line with the two positive integers a and b.

Output

For each case, print exactly one line containing only one integer – The reversed sum of two reversed number. Omit any leading zeros in the output.

Examples

input
3 24 1 4358 754 305 794
output
34 1998 1