

Multiplication Madness

You are given n lines, each containing two integers. Your task is to multiply the two numbers in each line and output the results.

Input

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

The next n lines each contain two integers a and b ($0 \leq a, b \leq 1000$).

Output

Output n lines, each containing a single integer - the product of the two numbers from the corresponding input line.

Sample

Input	Output
3	6
2 3	35
5 7	10
1 10	

Notes

For the first line, $2 \cdot 3 = 6$

For the second line, $5 \cdot 7 = 35$

For the third line, $1 \cdot 10 = 10$