

# Fast Multiplication

Multiply the given numbers.

## Input

$n$  [the number of multiplications  $\leq 1000$ ]

$l1$   $l2$  [numbers to multiply (at most 10000 decimal digits each)]

Text grouped in [ ] does not appear in the input file.

## Output

The results of multiplications.

## Example

Input:

```
5
4 2
123 43
324 342
0 12
9999 12345
```

Output:

```
8
5289
110808
0
123437655
```

**Warning: large Input/Output data, be careful with certain languages**