A Times B

For a while now, **FatalEagle** has been thinking about fast multiplication. He found the problem on SPOJ, MUL, and solved it without too much trouble. Then he found VFMUL on the same site, but the same code for MUL didn't pass as the SPOJ servers were really slow. Frustrated and desperate to ~~show off~~ demonstrate his fast multiplication code, **FatalEagle** has created a problem that really tests the accuracy and speed of your fast multiplication code.

Input Specification

The first line of input will have A.

The second line of input will have B.

Both A and B will be non-negative integers strictly less than $10^{1\,000\,001}$.

Output Specification

Output the product $A \times B$.

Sample Input

```
123456123456123456123456123456123456
9879878768767657656546545435434324323213321
```

Sample Output

```
121973153300851295215956247283945278187966162014464020099359068031370037005376
```