The problem is to multiply two integers X, Y. $(0 \leq X, Y < 10^{250})$

Input

The input will consist of a set of pairs of lines. Each line in pair contains one multiplyer.

Output

For each input pair of lines the output line should consist one integer the product.

Sample Input

```
12
12
2
2222222222222222222222222
```

Sample Output

```
144
4444444444444444444444444
```