## Modular Multiplication

Given two number. You just have to multiply them and find out the remainder if you divided it by 10000007.

## Input

There will be several test cases. Each case contains two numbers, $a$ and $b$ where $a$ and will be non negetive 64 bit numbers.

## Output

Output will be the remainder if you modulo the result of multiplication of $a$ and $b$ by 10000007.

## Example

Input:
568667875
8515595329895845

## Output:

Case \#1: 7819442
Case \#2: 9650119

