**Alpha Cipher**

The Alpha Cipher is a very advanced cryptography algorithm, designed for a **top secret project**. You are tasked with it's implementation, because it proved **too difficult** for the experts at the government.

The Cipher is very advanced. Here is how you can calculate it:

* You get **5 numbers** that consist of **3 digits each**.
  + Then, you need to find the **product of** those digits (multiply them with one another).
  + If the result consists of more than **1 digit**, take only **the last digit** of the produced number.

For example, we have the following input:

* 111
* 222
* 333
* 444
* 555

We multiply each of the digits and take only the last digit of the produced number:

* 1 \* 1 \* 1 = **1**
* 2 \* 2 \* 2 = **8**
* 3 \* 3 \* 3 = 2 **7**
* 4 \* 4 \* 4 = 6 **4**
* 5 \* 5 \* 5 = 12 **5**

Then we print out the produced Alpha Cipher: **18745**

**Input**

The input data is read from the standard input (the console).

* You will get 5 numbers on 5 separate lines.

**Output**

The output data is printed on the standard output (the console).

* The output consists of one line on which you should print out the produced Alpha Cipher.

**Constraints**

* Each number is positive and consists of **exactly 3** digits.
* Each digit is in the **range of 1 to 9**, inclusive.

**Sample tests**

**Input**

111

222

333

444

555

**Output**

18745

**Input**

112

523

999

432

351

**Output**

20945