



Problem E. Calculations in Programming

Input file: standard input
Output file: standard output
Time limit: 1s
Balloon color: Yellow

Once upon a time, you were teaching one programming language to your friend. On that day, you thought operations in that programming language, especially addition, subtraction, division and the modulus operator. In the end of that day, your friend finally understood all the operations! So you decided to test your friend like this: given two positive integers a and b , print the values of " $a + b$ ", " $a - b$ ", " a / b ", and " $a \% b$ ". To test your friend, you must be able to calculate all those values. So, given two positive integers a and b , write a program that calculates all those values.

Input

The input has one line that contains two positive integers a and b ($1 \leq a, b \leq 32,768$).

Output

Calculate the values of " $a + b$ ", " $a - b$ ", " a / b ", and " $a \% b$ ", and print in the format below:

```
a + b = ???  
a - b = ???  
a / b = ???  
a % b = ???
```

Example

| Sample Input 1 | Sample Output 1 |
|----------------|--|
| 2 10 | 2 + 10 = 12 2 - 10 = -8 2 / 10 = 0 2 % 10 = 2 |