

One of the built-in functions of Python is *divmod*, which takes two arguments *a* and *b* and returns a tuple containing the quotient of *a*/*b* first and then the remainder *a*.

For example:

```
>>> print divmod(177,10)
(17, 7)
```

Here, the integer division is `177/10 => 17` and the modulo operator is `177%10 => 7`.

Task

Read in two integers, *a* and *b*, and print three lines.

The first line is the integer division *a*//*b* (While using Python2 remember to import `division` from `__future__`).

The second line is the result of the modulo operator: *a*%*b*.

The third line prints the *divmod* of *a* and *b*.

Input Format

The first line contains the first integer, *a*, and the second line contains the second integer, *b*.

Output Format

Print the result as described above.

Sample Input

```
177
10
```

Sample Output

```
17
7
(17, 7)
```