Integer division and remainder of an integer number by a natural number
P92351_en

Write a program that reads an integer number a and a natural number b, with $b > 0$, and prints the integer division d and the remainder r of a divided by b.

Remember that, by definition, d i r must be the only integer numbers such that $0 \leq r < b$ and $d \cdot b + r = a$.

Input

Input consists of a and b, with $b > 0$.

Output

Print a line with the integer division and the remainder of a divided by b, separated by a space.

Observation

Depending on the programming language that you use, maybe you will need to modify a bit your program for the exercise to make it properly work with negative a's.

Sample input 1
```
32 6
```

Sample output 1
```
5 2
```

Sample input 2
```
-32 6
```

Sample output 2
```
-6 4
```

Sample input 3
```
-2147483648 10
```

Sample output 3
```
-214748365 2
```

Problem information

Author : Salvador Roura
Translator : Salvador Roura
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