

## A. Divisibility

time limit per test: 1 second

memory limit per test: 256 megabytes

input: standard input

output: standard output

Find the number of  $k$ -divisible numbers on the segment  $[a, b]$ . In other words you need to find the number of such integer values  $x$  that  $a \leq x \leq b$  and  $x$  is divisible by  $k$ .

### Input

The only line contains three space-separated integers  $k$ ,  $a$  and  $b$  ( $1 \leq k \leq 10^{18}$ ;  $-10^{18} \leq a \leq b \leq 10^{18}$ ).

### Output

Print the required number.

### Examples

input
1 1 10
output
10

input
2 -4 4
output
5