

A. Two Bags of Potatoes

time limit per test

1 second

memory limit per test

256 megabytes

input

standard input

output

standard output

Valera had two bags of potatoes, the first of these bags contains x ($x \geq 1$) potatoes, and the second — y ($y \geq 1$) potatoes. Valera — very scattered boy, so the first bag of potatoes (it contains x potatoes) Valera lost. Valera remembers that the total amount of potatoes ($x + y$) in the two bags, firstly, was not greater than n , and, secondly, was divisible by k .

Help Valera to determine how many potatoes could be in the first bag. Print all such possible numbers in ascending order.

Input

The first line of input contains three integers y, k, n ($1 \leq y, k, n \leq 10^9$; $\frac{n}{k} \leq 10^5$).

Output

Print the list of whitespace-separated integers — all possible values of x in ascending order.

You should print each possible value of x exactly once.

If there are no such values of x print a single integer -1.

Examples

input

```
10 1 10
```

output

```
-1
```

input

```
10 6 40
```

output

```
2 8 14 20 26
```