CODEFORCES β
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PROBLEMS   SUBMIT   STATUS   STANDINGS   CUSTOM TEST

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 gerater 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

Codeforces Round #148 (Div. 2)

Finished

→ Virtual participation

Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ACM-ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you - solve these problems in the archive. If you just want to solve some problem from a contest, a virtual contest is not for you - solve this problem in the archive. Never use someone else's code, read the tutorials or communicate with other person during a virtual contest.

Start virtual contest

→ Problem tags

greedy   implementation   math

No tag edit access

→ Contest materials

- Announcement   ✕
- Tutorial   ✕