

## Problem D. Find Numbers

**Time limit** 2000 ms

**Mem limit** 262144 kB

**Statement** [Statements #1 \(en\)](#), [Statements #2 \(ru\)](#)

**OS** Windows

Pavel had two positive integers  $a$  and  $b$ . He found their sum  $s$  and greatest common divisor  $g$ , and forgot  $a$  and  $b$  after that. Help him to restore the original numbers.

### Input

A single line contains two integers  $s$  and  $g$  ( $1 \leq s \leq 10^9$ ,  $1 \leq g \leq 10^9$ ) — sum and greatest common divisor of the numbers  $a$  and  $b$ .

### Output

If Pavel made a mistake and there are no such numbers  $a$  and  $b$ , output a single number - 1.

Otherwise, output two positive integers  $a$  and  $b$  on a single line, separated by a space. If there are multiple possible solutions, output any of them.

### Sample 1

Input	Output
6 2	4 2

### Sample 2

Input	Output
7 2	-1