Problem D
LCM

Input File: D.in
Output File: standard output
Time Limit: 0.1 seconds (C/C++)
Memory Limit: 256 megabytes

You are given two natural numbers **A** and **B**. Determine the natural number **N** such that the least common multiple of the numbers **A** + **N** and **B** + **N** is minimal.

Input
The only line of the input contains two natural numbers: **A** and **B**. None of them is exceeding $\mathbf{10^9}$.

Output
Output the natural number **N** such that LCM(**A** + **N**, **B** + **N**) is minimal. If there are several values of **N** which yield the minimum, output the smallest one.

Sample input	Sample output
4 10	2