
The 2020/21 CSEC-ASTU Competitive Programming Contest

Problem 68. Minimum Capacity

Input file: standard input
Output file: standard output
Time limit: 1 second
Balloon color: pink

Zahra has a little brother Mammad, he is weak in math problems. So the task of helping Mammad is on Zahra's shoulder. Today Mammad's math teacher gave a problem to their class, the problem is as follow: You have a glass with size s , find the size of the smallest pitcher that you could fill it completely with this glass without any water left in the glass (Every time you want to spill water in pitcher the glass is full of water, you aren't allowed to use a part of glass capacity). The size of pitcher shouldn't be in range $[l, r]$.

Input

The only line of input contains l, r and s ($1 \leq l \leq r \leq 10^9$, $1 \leq s \leq 10^9$). l, r and s are integers.

Output

Print one number, the size of smallest pitcher as described in problem statement

Example

Sample Input 1	Sample Output 1
2 4 2	6

Sample Input 2	Sample Output 2
5 10 4	4

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Sample Input 3	Sample Output 3
3 10 1	1

Sample Input 4	Sample Output 4
1 2 3	3

Sample Input 5	Sample Output 5
4 6 5	10