A. The New Year: Meeting Friends

time limit per test: 1 second
memory limit per test: 256 megabytes
input: standard input
output: standard output

There are three friend living on the straight line Ox in Lineland. The first friend lives at the point x_1, the second friend lives at the point x_2, and the third friend lives at the point x_3. They plan to celebrate the New Year together, so they need to meet at one point. What is the minimum total distance they have to travel in order to meet at some point and celebrate the New Year?

It's guaranteed that the optimal answer is always integer.

Input

The first line of the input contains three **distinct** integers x_1, x_2 and x_3 ($1 \le x_1, x_2, x_3 \le 100$) — the coordinates of the houses of the first, the second and the third friends respectively.

Output

Print one integer — the minimum total distance the friends need to travel in order to meet together.

Examples

input
7 1 4

output
6

input
30 20 10

output
20

Note

In the first sample, friends should meet at the point 4. Thus, the first friend has to travel the distance of 3 (from the point 7 to the point 4), the second friend also has to travel the distance of 3 (from the point 1 to the point 4), while the third friend should not go anywhere because he lives at the point 4.