Problem A. Task Scheduling Problem

Time limit 2000 ms
Mem limit 1048576 kB

Problem Statement

You have three tasks, all of which need to be completed.

First, you can complete any one task at cost 0.

Then, just after completing the i-th task, you can complete the j-th task at cost $|A_j - A_i|$.

Here, $|x|$ denotes the absolute value of x.

Find the minimum total cost required to complete all the task.

Constraints

- All values in input are integers.
- $1 \leq A_1, A_2, A_3 \leq 100$

Input

Input is given from Standard Input in the following format:

A_1 A_2 A_3

Output

Print the minimum total cost required to complete all the task.

Sample 1

Input	Output
1 6 3	5

When the tasks are completed in the following order, the total cost will be 5, which is the minimum:

- Complete the first task at cost 0.
- Complete the third task at cost 2.
- Complete the second task at cost 3.

Sample 2

Input	Output
11 5 5	6

Sample 3

Input	Output
100 100 100	0