Vote Run

Akib suffers from chronic procrastination disorder. That is, he always slacks off until the very end of the deadline, then he rushes superhumanly.

The same Akib did for the national polling today. As a responsible citizen, he has to vote for his preferred candidate in the polls. But he is really late.

The country sits on an infinite grid of buildings. Akib's home is at the building $(0, 0)$. The polling booth is at the building (A, B). He has to reach the polling booth to cast his vote.

Each second, Akib can choose to stay still or move one step east-west, north-south, or diagonally. Formally speaking, if Akib's currently in the building at (x, y), he can be at any of the following buildings the next second:

- (x, y) (stand still)
- $(x + 1, y)$ (east)
- $(x - 1, y)$ (west)
- $(x, y + 1)$ (north)
- $(x, y - 1)$ (south)
- $(x + 1, y + 1)$ (north-east)
- $(x + 1, y - 1)$ (south-east)
- $(x - 1, y + 1)$ (north-west)
- $(x - 1, y - 1)$ (south-west)

Now, calculate at least how many seconds Akib would need to reach the polling booth from his home.

Input

- line 1: A B

Output

- line 1: Total number of seconds Akib would need

Constraints

- $-1,000,000,000 \leq A, B \leq 1,000,000,000$

Subtasks

Subtask	Score	Additional constraints
1	10	The polling booth is at the same building as Akib's home
2	7	$0 \leq A, B \leq 1$
3	8	$-1 \leq A, B \leq 1$
4	11	$-10 \leq A, B \leq 10$
5	7	$-1000 \leq A \leq 1000, B = 0$
6	7	$-1000 \leq B \leq 1000, A = 0$
7	15	$-1000 \leq A, B \leq 1000$
8	5	$B = 0$
9	5	$A = 0$
10	25	No additional constraints

Examples

Example 1

```
3 0
```

The correct output is:

```
3
```