

### Three Elevators

Jojo likes to use elevator while being at a building. On his father's office, there are 3 identical elevators (which have same velocity 1 level/second).

Unfortunately, one of those elevators is in maintenance. Then, when Jojo sees those two elevators, the first one is on the  $x^{th}$  floor going up and the second one is on the  $y^{th}$  floor and is going down. The third elevator (which in maintenance) is recently on the  $k^{th}$  floor. Jojo is wondering if those three elevators will be in the same level or not.

#### Format Input

Input consists of 3 integers x, y, k, the position of the first, second, and third elevator, respectively.

### Format Output

Output a line consists of t which describe the time when the three elevators are on the same levels. If this event is impossible to happen, output -1.

#### Constraints

- $\bullet \ 0 \le x, y, k \le 100$
- All floor numbers is available (no floor number is withdrawn, like 4, 13, etc.)

# Sample Input 1 (standard input)

3 5 4

### Sample Output 1 (standard output)

1

# Sample Input 2 (standard input)

1 2 5

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# Sample Output 2 (standard output)

-1



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Jojo senang sekali menggunakan lift saat berada di sebuah gedung. Kebetulan, gedung tempat kantor ayahnya bekerja memiliki 3 lift yang identik (memiliki kecepatan yang sama yakni 1 lantai/detik).

Namun sayangnya, hanya 2 lift saja yang bekerja dan lift lainnya hanya berhenti di lantai k. Saat Jojo mengamati kedua lift yang bergerak itu, ternyata lift pertama dalam posisi x dan sedang naik ke lantai teratas, dan lift kedua di posisi y dan sedang turun ke lantai terbawah. Ia yang baru pandai menghitung pun mencoba apakah dalam waktu t detik ketiga lift tersebut ada pada suatu lantai yang sama.

### Format Input

Input terdiri dari 3 buah integer x, y, k yang menunjukkan posisi lantai setiap lift saat Jojo melihat pada detik ke 0. Dipastikan bahwa x, y, k kurang dari 100 dan semua nomor lantai ada di gedung tersebut (tidak ada nomor lantai yang dihilangkan seperti 4, 13, dan sebagainya).

### Format Output

Output yang dikeluarkan berupa t yang menunjukkan waktu saat ketiga lift tersebut di posisi lantai yang sama semua. Jika tidak terdapat t yang memenuhi, keluarkan -1.

#### Constraints

•  $0 \le x, y, k \le 100$ 

# Sample Input 1 (standard input)

3 5 4

# Sample Output 1 (standard output)

1

# Sample Input 2 (standard input)

1 2 5

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### Sample Output 2 (standard output)

	4
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#### Note

Asumsikan bahwa jumlah lantai sangatlah banyak dan tidak diperlukan untuk menyelesaikan soal ini.

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