**ALGERIAN OLYMPIAD IN INFORMATICS**

**2024 Summer Camp Final Exam**

September $19^{th}$, 2024

*Task 1 - East–West Highway*
*English Version*
*This task is worth 100 points*

# Task 1 : East−West Highway

Along the East-West highway, which connects Maghnia to El Kala, there are mile markers. On each marker is written the number of kilometers separating the current position from the end of the highway. If the zero marker is behind you, the numbers increase as you move forward. On the contrary, if the zero marker is ahead of you, the numbers decrease as you move forward.

You noted the number on the marker you left this morning and the number on the marker where you arrived this evening. Make a Python script that calculates the distance you traveled during the day.

In other words, the program will take two non-negative integers representing the numbers written on the two markers and output the distance you traveled.

**Examples**

| Input | Output | Input | Output |
|-------|--------|-------|--------|
| 756<br>837 | 81 | 938<br>222 | 716 |