612. Shortest Distance in a Plane

Description

Table: `Point2D`

```
+-------------+------+
| Column Name | Type |
+-------------+------+
| x           | int  |
| y           | int  |
+-------------+------+
(x, y) is the primary key column (combination of columns with unique values) for this table.
Each row of this table indicates the position of a point on the X-Y plane.
```

The distance between two points $p_1(x_1, y_1)$ and $p_2(x_2, y_2)$ is $\text{sqrt}((x_2 - x_1)^2 + (y_2 - y_1)^2)$.

Write a solution to report the shortest distance between any two points from the `Point2D` table. Round the distance to **two decimal points**.

The result format is in the following example.

Example 1:

Input:
Point2D table:
```
+----+----+
| x  | y  |
+----+----+
| -1 | -1 |
| 0  | 0  |
| -1 | -2 |
+----+----+
```
Output:
```
+----------+
| shortest |
+----------+
| 1.00     |
+----------+
```
Explanation: The shortest distance is 1.00 from point (-1, -1) to (-1, 2).