## Weather Observation <br> Station 18

Consider $P_{1}(a, b)$ and $P_{2}(c, d)$ to be two points on a 2D plane.

- $a$ happens to equal the minimum value in Northern Latitude (LAT_N in STATION).
- $b$ happens to equal the minimum value in Western Longitude (LONG_W in STATION).
- $c$ happens to equal the maximum value in Northern Latitude (LAT_N in STATION).
- $d$ happens to equal the maximum value in Western Longitude (LONG_W in STATION).

Query the Manhattan Distance between points $P_{1}$ and $P_{2}$ and round it to a scale of 4 decimal places.

## Input Format

The STATION table is described as follows:

## STATION

| Field | Type |
| :--- | :--- |
| ID | NUMBER |
| CITY | VARCHAR2 (21) |
| STATE | VARCHAR2(2) |
| LAT_N | NUMBER |
| LONG_W | NUMBER |

where $L A T_{-} N$ is the northern latitude and $L O N G \_W$ is the western longitude.

