Weather Observation Station 19

HackerRank

Consider $P_1(a, c)$ and $P_2(b, d)$ to be two points on a 2D plane where (a, b) are the respective minimum and maximum values of *Northern Latitude* (*LAT_N*) and (c, d) are the respective minimum and maximum values of *Western Longitude* (*LONG_W*) in **STATION**.

Query the Euclidean Distance between points P_1 and P_2 and *format your answer* to display 4 decimal digits.

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 *LAT_N* is the northern latitude and *LONG_W* is the western longitude.

Solution:

```
SELECT ROUND(SQRT(POWER((MAX(LAT_N) - MIN(LAT_N)), 2) + POWER((MAX(LONG_W) -
MIN(LONG_W)), 2)), 4)
FROM STATION;
```