

Weather Observation Station 19



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.

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