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Weather Observation Station 19

locked

Problem

Submissions

Leaderboard

Discussions

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.

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Submissions: 18

Max Score: 30

Difficulty: Medium

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MySQL ▾



```

1  ▾ /*
2  SELECT @P1a := MIN(LAT_N) FROM station;
3  SELECT @P1b := MAX(LAT_N) FROM station;
4  SELECT @P2c := MIN(LONG_W) FROM station;
5  SELECT @P2d := MAX(LONG_W) FROM station;
```

```
6
7 SET @Euc = SQRT(POW((@P1a-@P1b),2)+POW((@P2c-@P2d),2));
8 SELECT ROUND(@Euc, 4);
9
10 */
11
12 SELECT ROUND(SQRT(POW(MIN(LAT_N)-MAX(LAT_N),2)+POW(MIN(LONG_W)-MAX(LONG_W),2)),4) FROM station;
```

Line: 9 Col: 1

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