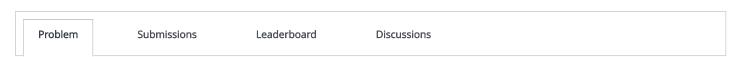
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Weather Observation Station 19





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	Туре
ID	NUMBER
CITY	VARCHAR2(21)
STATE	VARCHAR2(2)
LAT_N	NUMBER
LONG_W	NUMBER

where $\textit{LAT_N}$ is the northern latitude and $\textit{LONG_W}$ is the western longitude.

Submissions: 18
Max Score: 30
Difficulty: Medium
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```
MySQL

//*
SELECT @P1a := MIN(LAT_N) FROM station;
SELECT @P1b := MAX(LAT_N) FROM station;
SELECT @P2c := MIN(LONG_W) FROM station;
SELECT @P2d := MAX(LONG_W) FROM station;
```

```
SET @Euc = SQRT(POW((@Pla-@Plb),2)+POW((@P2c-@P2d),2));

SELECT ROUND(@Euc, 4);

*/

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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