Weather Observation Station 18

Consider $P_1(a, b)$ and $P_2(c, d)$ 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 Manhattan Distance between points P_1 and P_2 and round it to 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.