URI

URI Online Judge | 1015

Distance Between Two Points

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Timelimit: 1

Bienvenido,
IGNACIO

1015

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Principiante

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Read the four values corresponding to the x and y axes of two points in the plane, p1 (x1, y1) and p2 (x2, y2) and calculate the distance between them, rounded to four decimal places, according to the formula:

Distance = $\sqrt{(x2 - x1)^2 + (y2 - y1)^2}$

Input

The input file contains two lines with data. The first one contains two double numbers with one digit after the decimal point, respectly: *x1 y1* and the second one also contains two double numbers with one digit after the decimal point: *x2 y2*.

Output

Calculate and print the distance, using the above phormula, with 4 digits after the decimal point.

Sample Input	Sample Output
1.0 7.0 5.0 9.0	4.4721
-2.5 0.4 12.1 7.3	16.1484
2.5 -0.4 -12.2 7.0	16.4575