
Distance points

Input file: **standard input**
Output file: **standard output**
Time limit: 1 second
Memory limit: 256 megabytes

Given **2** Cartesian points (X_1, Y_1) and (X_2, Y_2) . Print the distance between the two points.

Input

Only one line contains four numbers X_1, Y_1, X_2 and Y_2 ($1 \leq X_1, Y_1, X_2, Y_2 \leq 10^9$).

Output

Print the answer required above.

Examples

standard input	standard output
5 3 22 11	18.788294228
2 3 1 1	2.236067977

Note

Your answer will be considered correct if its absolute or relative error does not exceed 10^{-6} .