
Distance between two points**X23724_en**

Using the definition

class *Point*:

`"""attributes: x, y"""`

write a function

dist(*p*, *q*)

that returns the Euclidean distance between two points *p* and *q*. For example, the distance between the point (0,0) and the point (30,40) is 50.

Input

The input consists of several pairs of points (two non-negative integer numbers each).

Output

For each two points, print their Euclidean distance.

Sample input 1

```
0 0 30 40
30 40 0 0
10 20 30 40
30 40 10 20
```

Sample output 1

```
50.0
50.0
28.284271247461902
28.284271247461902
```

Problem information

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