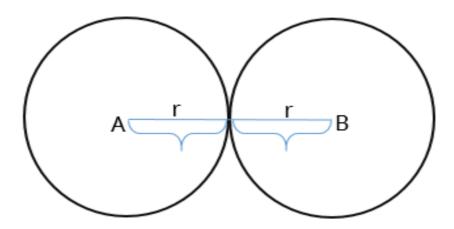
# **Universal Radius**

Given two point **A** and **B** that center of two circle. The two circle are equal and tangent externally. you have to find the radius that are equal of both circle radius. See the picture below:



### Input

Input starts with an integer T ( $\leq$  250), denoting the number of test cases. Each case contain four integers  $x_1$ ,  $y_1$ ,  $x_2$ ,  $y_2$  ( $-10^6 \leq x_1$ ,  $y_1$ ,  $x_2$ ,  $y_2 \leq 10^6$ ) where  $x_1$  and  $y_1$  are coordinates of the first point and  $x_2$  and  $y_2$  are coordinates of the second point. It's guaranteed that the given points are distinct.

### **Output**

For each case, print the answer to the problem which describe above. Answer round with 6 decimal places.

## **Example**

#### Input:

2 0 1 5 10 -2 -1 -4 -9

#### **Output:**

5.147815 4.123106

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