P1257 Closest Pair of Points in the Plane

题目描述

Given n points in the plane, find the distance between a pair of points such that among all pairs of these n points, this distance is the smallest.

输入格式

The first line contains an integer n, denoting the number of points.
The next n lines each contain two integers x, y, representing the x and y coordinates of a point.

输出格式

Output a single line containing a real number, which is the shortest distance, rounded to 4 decimal places.

输入输出样例 #1

输入 #1

```
3
1 1
1 2
2 2
```

输出 #1

```
1.0000
```

说明/提示

Constraints

For 100% of the testdata, it is guaranteed that $2 \leq n \leq 10^4, 0 \leq x, y \leq 10^9$.

Translated by ChatGPT 5