

TCenayang Lands

locked

Problem

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One day, TCenayang Developers wanted to build a building, then he saw an empty building with a large area of land but there were abandoned buildings still in the land. TCenayang Developers succeeded in tearing down the building using an algorithm that already existed in the four IUP questions module then in the next stage the psychic wanted to make TCenayang Mall with a Triangle design but it turned out that Tcenayang had difficulty determining the coordinates of the Triangle helping TCenayang to measure the area of the Triangle from these coordinates so that TCenayang mall can be built.

Input Format

The first line of input contains a number N, represent of how much coordinate. The second row to the N+1 row will contain two integers xi and yi, respectively, which are the coordinates of the i-th duck in the Cartesian coordinate system. No two different rectangel will be in the same (x, y) position.

Constraints

1 <= N <= 10

Output Format

The area of the triangular building that can be obtained, and the output must be two digits after the comma **(0,00)**, and it takes the minimum of area. and if there is no rectangle found, print **-1.00**.

Sample Input 0

```
4
0 0
-4 9
4 0
0 7
```

Sample Output 0

```
10.00
```

C

```
1 #include <math.h>
2 #include <stdio.h>
3 #include <string.h>
4 #include <stdlib.h>
5 #include <assert.h>
6 #include <limits.h>
7 #include <stdbool.h>
8
9 int main() {
10     /* Enter your code here. Read input from STDIN. Print output to STDOUT */
11     return 0;
12 }
```

Line: 1 Col: 1

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☐ Test against custom input

Run Code

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