## **Coding Area**



tcscodevita.com/main\_page.jsp



## **Examples**

Input
4
0 0
0 2
2 2
2 0
Output
4
Explanation:
Given $N = 4$ ,
As we can imagine, these points will make a square shape and number of sides in the polygon will be 4.
Example 2
Input
5
0 0
03
3 3
3 1
30
Output

## Explanation:

Given N = 5,

The coordinate (3 1) lies on the side made by coordinate (3 0) and (3 3). This will also make a square shape and have 4 sides.

You are given N number of coordinates and your task is to find out how many sides are there in the polygon.

Note: coordinates provided in the input will be in sequential form. Consider that all the coordinates make a close polygon.

05Hr 42Min 24Sec

Your Contest Ends At

## 2022-03-12 01:19:46 IST

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First line contains an integer N which depicts number of co-ordinates.

Next N lines consist of two space separated integers depicting coordinates in the form of x y.