





▼ The first practical assignment

The first practical assignment **& Basics of Algorithm 2-99 & classes & Home**



intersection

• Time limit: 1 second

• Memory limit: 256 MB

You are given n lines. There are several intersections such that coordinates x between them a And bIs?

عكس مورد نظر شما پيدا نشد

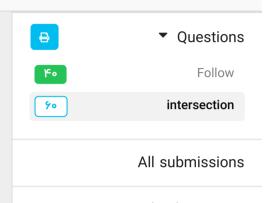
www.UUpload.ir

Input

In the first line of input number nCome.

$$1 \le n \le 300000$$

AtnThe next line is two numbers in each line a_i And b_i It is stated that in order of coordinatesyThe intersection point of the i-th line with the linex=aAndx=bare.



Final submissions

```
-10000000000 \le a_i, b_i \le 1000000000
```

It is guaranteed that no three lines are congruent.

Output

Print the number of intersections in the output.

Example

Input

```
3
1 101
-234 234
567 765
```

Output

1

POST AN ANSWER TO THIS QUESTION

.The training period is over

with Quera	events
Work with us	Kodak
contact us	Scale up
about us	Trainee exhibition
Terms and Conditions	Tracey
Sponsorship of competitions	

Sources

Quora blog
Programmers' salary calculator
Statistics of the programming world
subscribe to newsletter

Products

Teaching programming
Recruitment ads
Programming questions
Competitions
classes
Employment platform
Quera Jr





