

# Format of Test Cases

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## Input format

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- The first line contains one integer  $n$  - the number of equations of lines.
- Each of the next  $n$  lines contain two integers  $m$  and  $c$  separated by a single space- the slope of the line and the y-intercept.
- It represents the equation of the form  $y = m \cdot x + c$ .
- Ensure that the assumptions given in the problem statement are satisfied. They are as follows:
  - $m$  is not equal to 0,  $\infty$ .
  - No two  $m$ 's are equal.
  - There are exactly  $n \cdot (n-1) / 2$  intersection points.

## Output format

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- The first line will contain a single integer  $k$  - the number of intersection points that lie on the right side of the y-axis.