

# PW - E // Mark's Marks

Zhehai is taking six courses this semester. Because of his consistency, Zhehai's marks in each course can be represented as linear relationships between his grades and the current time in the school year. Given each of the linear trends, output the total number of pairs of courses that will have the same mark at some common point in time.

The input consists of six lines with each line having two numbers  $m$  and  $b$ . These two numbers represent the slope and y-intercept of the line respectively. ( $y = mx+b$ ).

## Sample Input 1:

```
1 2
2 3
5 2
-1 9
-3 0
1 8
```

## Sample Output 1:

```
14
```

## Sample Input 2:

```
1 2
2 3
2 4
1 9
3 5
4 3
```

## Sample Output 2:

```
13
```