Pandemic Distancing

As the world is ravaged with the pandemic, two friends X and Y wants to practice social distancing with each other. In an xy plane , you will be given N points in the form (ai,bi). You need to calculate the number of pairs of positions of the friends such that (ai - aj) + (bi - bj) = D where D an integer.

Input Format

- First line contain an integer N, number of points.
- Next N lines contain two space saperated integers (ai,bi).
- Next line contain an integer D

Constraints

- 1<=N<=10^5
- 1<=ai,bi,D<=10^9

Output Format

Print the count of total number of pairs which satisfy the above mentioned criteria.

Sample Input 0

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4
1 2
2 -2
2 1
0 3
0
```

Sample Output 0

```
10
```

Explanation 0

As mentioned above 4 points,

If X is standing at point 1, then Y has choices of standing at point 1,3,4 As all these point satisfy the criteria of safe pair.

Point 1 - point 1 = (1-1) + (2-2) = 0 = S

Point 1 - Point 3 = (1-2) + (2-1) = 0 = S

Point 1 - Point 4 = (1-0) + (2-3) = 0 = S

For point 2, safe pair is only point 2.

For point 3 and 4 safe pairs are {(3,1),(3,3),(3,4)} and {(4,1),(4,3),(4,4)} respectively.

So total choice for point 1 is 3, for point 2 is 1, for point 3 is 3 and for point 4 is 3, i.e. 3 + 1 + 3 + 3 = 10.