

# Pandemic Distancing

## Submitted Code

Language: Java 8

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```
1 import java.io.*;
2 import java.util.*;
3
4 public class Solution {
5
6     public static void main(String[] args) {
7         Scanner s=new Scanner(System.in);
8         int n=s.nextInt();
9         int x[]=new int[n];
10        int y[]=new int[n];
11        HashMap<Integer,Integer>map=new HashMap<Integer,Integer>();
12        for(int i=0;i<n;i++)
13        {
14            x[i]= s.nextInt();
15            y[i]=s.nextInt();
16            int h=x[i]+y[i];
17            if(map.containsKey(h)){
18                map.put(h,map.get(h)+1);
19            }else{
20                map.put(h,1);
21            }
22        }
23        int sum=s.nextInt();
24        int cnt=0;
25        for(Map.Entry<Integer,Integer>m:map.entrySet()){
26            int k=m.getKey();
27            if(map.containsKey(k-sum)){
28                cnt+=m.getValue()*map.get(k-sum);
29            }
30        }
31        System.out.println(cnt);
32    }
33 }
```