## Problem H

## **Counting Rectangles**

Input: Standard Input
Output: Standard Output
Time Limit: 3 Seconds

Given **n** points on the **XY** plane, count how many regular rectangles are formed. A square is regular if and only if its sides are all parallel to the axis.

## Input

The first line contains the number of tests t(1 <= t <= 10). Each case contains a single line with a positive integer n(1 <= n <= 5000), the number of points. There are n lines follow, each line contains 2 integers x, y (0 <= x,  $y <= 10^9$ ) indicating the coordinates of a point.

## **Output**

For each test case, print the case number and a single integer, the number of regular squares found.

Sample Input Output for Sample Input

2		Case	1:	1	
5		Case	2:	0	
0	0				
2	0				
0	2				
2	2				
1	1				
3					
0	0				
0	30				
0	900				

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