Line Segment Turning

The Problem

A driving circuit is a sequence of line segments. A driver wishes to go around the entire circuit, but his steering wheel is damaged and he can only turn left. Can he drive the entire circuit without turning right?

The Input

The first line of input will be a number on a line by itself which is the number of test cases to run. For each test case, the first line will be a number N ≥ 3 on a line by itself which is the number of line segments. The next N lines consists of a pair of non-negative integers, which are the x and y coordinates of the end points of the line segments.

The Output

For each data set there is one line of output. Output possible if it is **possible** to traverse the circuit without turning right. Otherwise, output **not possible**.

Sample Input	Sample Output
3	possible
3	not possible
1 2	possible
3 3	
2 5	
5	
1 1	
4 2	
6 2	
7 4	
3 5	
5	
5 3	
5 5	
6 5	
6 4	
6 3	