Momo's Homework II

問題描述：

Momo learns a lot about geometry, the lesson today is about "line intersection". The problem is that in a triangle ABC, there is a point E on line AC, then we draw the line from B to E. There is also another point F on line AB, we draw another line from C to F. Assume line BE and line CF intersect at point K. Momo wants to know, if she draws a line from A to K and keep going on, finally the line would intersect with line BC on point D. What is the coordinate of point D?

輸入說明：

Input begins with an integer *T(1<=T<=20000)*, the number of test case. Each test case would be in the following format.

Line 1 : x_1 y_1 x_2 y_2 x_3 y_3 : six integers, the coordinate of the three points of triangle ABC. A=(x_1,y_1), B=(x_2,y_2),C=(x_3,y_3). 0<=x,y<=10000

Line 2 : a b : two integers, the proportion of line AE and line EC, 1<=a,b<=10000

Line 3 : c d : two integers, the proportion of line AF and line FB, 1<=c,d<=10000

You can assume that the three points would form a rectangle.

輸出說明：

Each test case outputs one line. Output the coordinate of point D in this format: "*(a/b,c/d)*", where gcd(a,b) and gcd(c,d) should be 1. If the coordinate is 0 please output 0/1. See sample input and output for a clear view.

範例：

Sample Input:	**Sample Output:**
2 0 5 0 0 5 0 1 1 1 2 1 4 3 6 7 9 2 4 3 6	(10/3,0/1) (5/1,15/2)