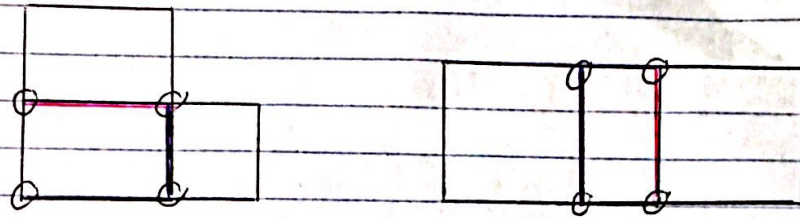
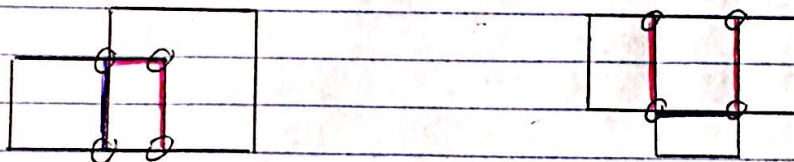


All intersection cases have 4 intersection points. o

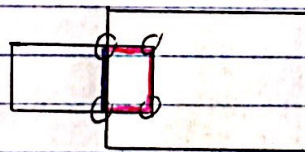
intersecting edges:



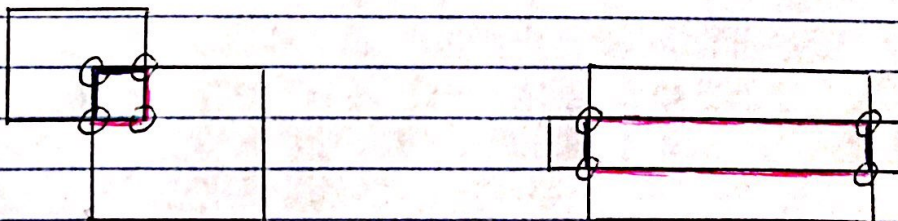
Case 1: each rectangle has 1 intersecting line.



Case 2: one rectangle has 1 intersecting line, and the other has 2 intersecting lines.



Case 3: one rectangle has 1 intersecting line, and the other has 3 intersecting lines.



Case 4: both rectangles have 2 intersecting lines.