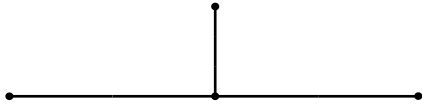
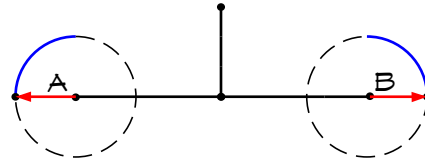


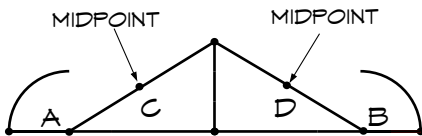
# DRAWING A PSEUDO 4-CENTERED ARCH



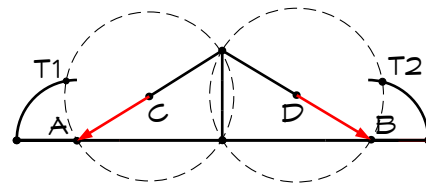
Step 1: Draw out the spring line and a perpendicular height line at the springline's midpoint.



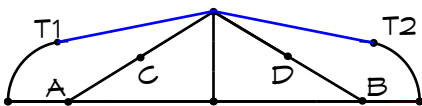
Step 2: Find points A and B by measuring in from each end of the spring line the distance of the desired outer radius. Then draw quarter arcs using points A and B as centers.



Step 3: Using a straight edge, draw lines connecting points A and B to the top of the height line. Then locate points C and D at the midpoint of each of these lines.



Step 4: Find the tangent points, T1 and T2, by using arcs centered on points C and D with a radius of AC/DB.



Step 5: Close up the top of the arch by using a straight edge to connect points T1 and T2 to the top of the height line.