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Replace the Compound Curve

The compound curve system shown is to be replaced with a single circular curve. For the compound curve system shown, Delta for Curve 1 is $35^{\circ}49'40''$, Delta for Curve 2 is $87^{\circ}38'10''$. The Radius for Curve 1 is 234.56 feet and the Degree of Curve (arc definition) for Curve 2 is $12^{\circ}32'40''$. The PT of the new replacement curve is to be the same point as PT_2 . Compute the coordinates for the PC of the replacement curve and all its curve parts.

For the solution to this problem please visit our website at: www.TheAmericanSurveyor.com. Good luck! *AS*

