## Problem 192

by Dave Lindell, L.S.

The interior angle bisectors of triangle ABC cut the triangle at points A', B' and C'. A circle drawn through points A', B' and C' cuts chords A'-e, B'-f and C'-d from the sides of the triangle.

If AB = 500.000, BC = 600.000 and CA = 700.000, what are the lengths of the chords? What is the pattern?

