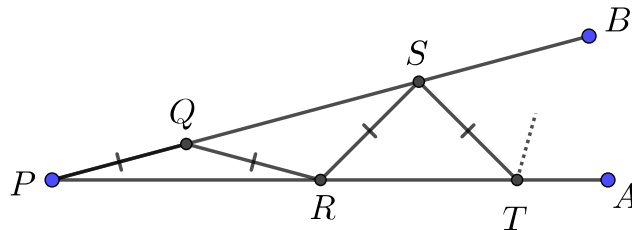




Problem of the Week

Problem C

Arm to Arm



In the diagram, $\angle APB = 12^\circ$. Points Q, R, S, T, \dots alternate from one arm of the angle to the other, each point located farther away from P than the point before and $PQ = QR = RS = ST = \dots$. Eventually, one of the isosceles triangles will be an equilateral triangle. How many isosceles triangles will be formed before the equilateral triangle is formed?

