165 circles in an isosceles right triangle
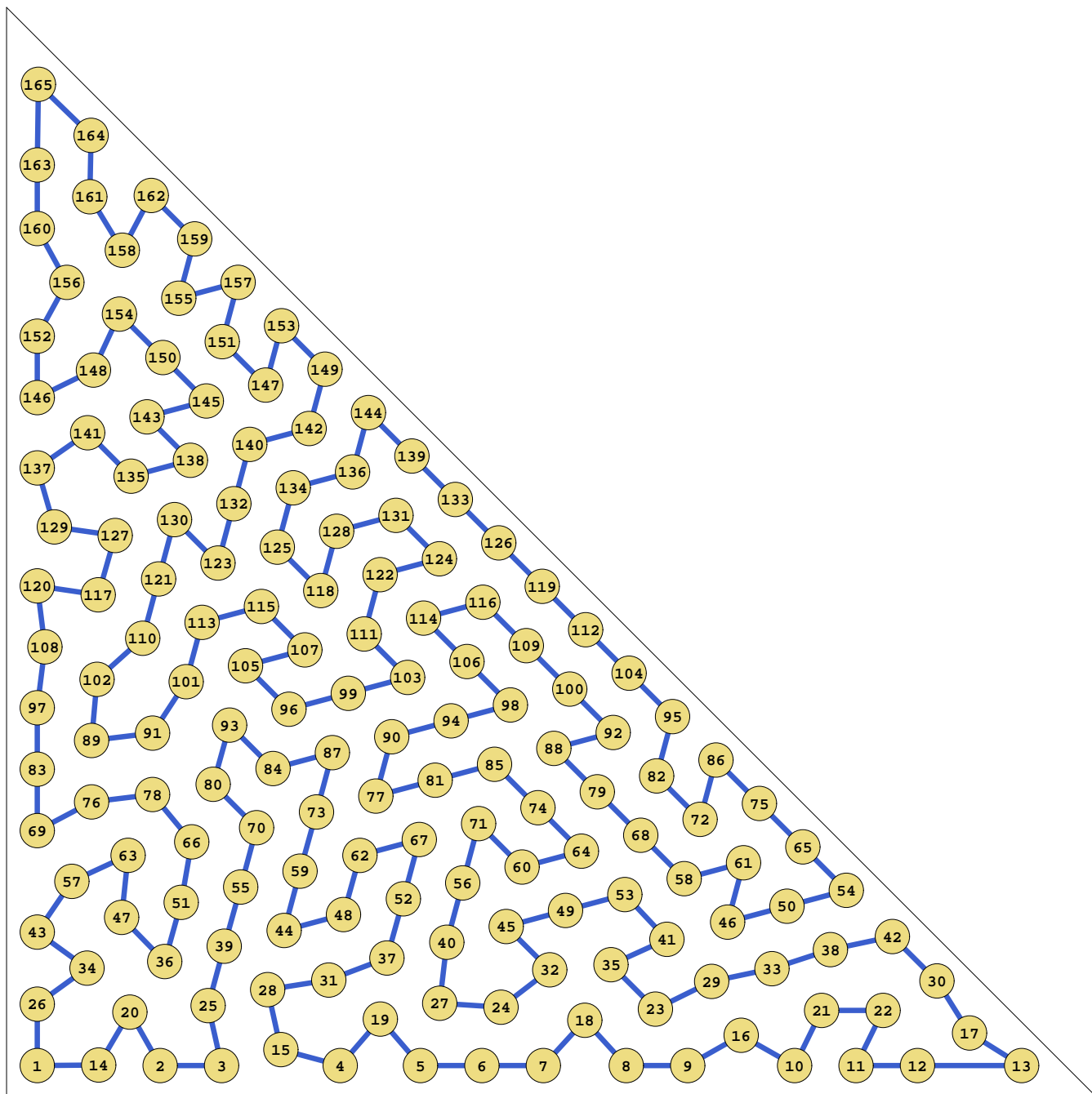
radius =   0.028201114710   density = 0.824510826690

ratio   = 35.459591234867   length   =   9.387958