168 circles in an isosceles right triangle
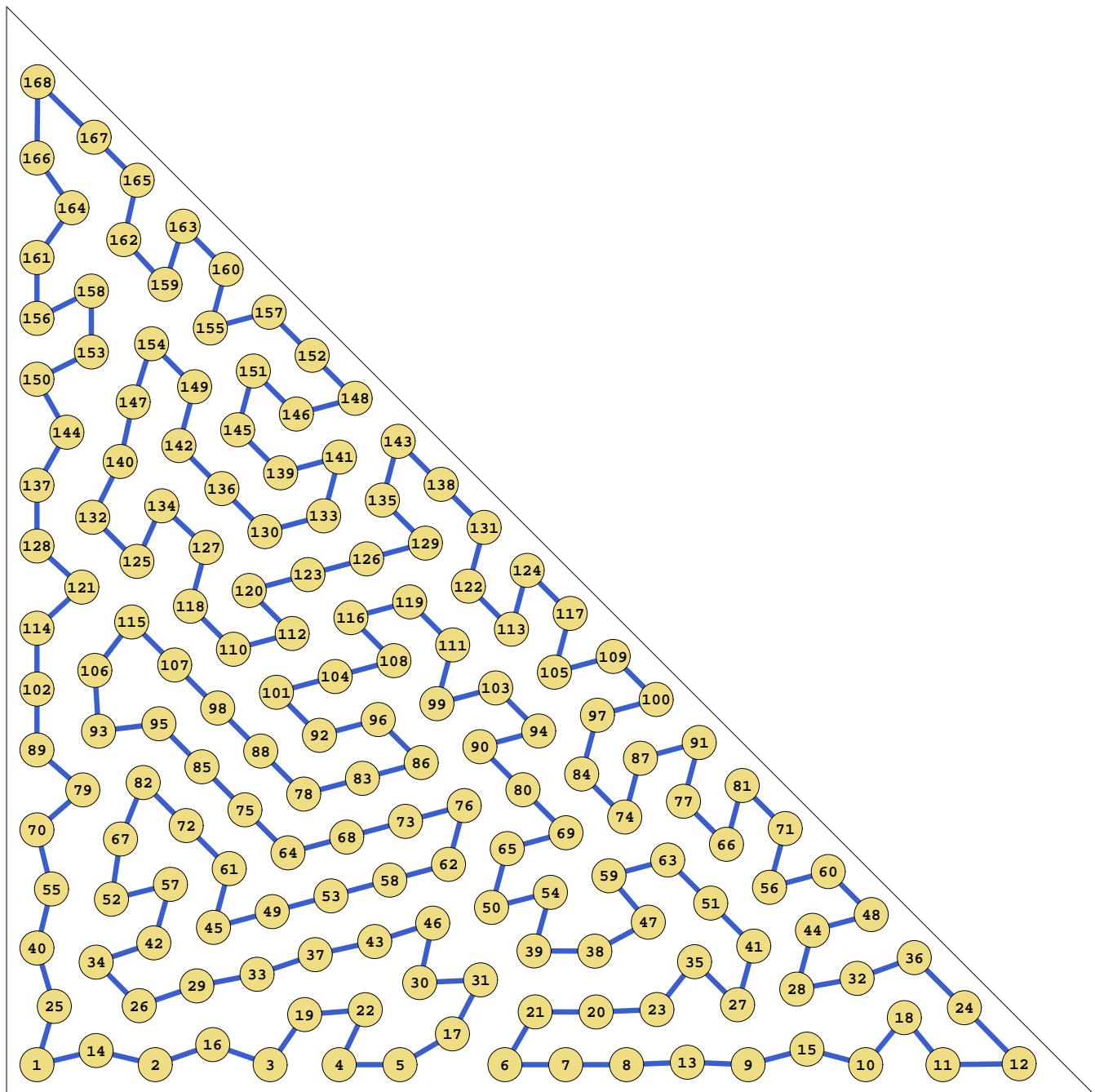
radius   =   0.027949002512   density   = 0.824559074397
ratio   =   35.779452220400   length   =   9.466281