178 circles in an isosceles right triangle
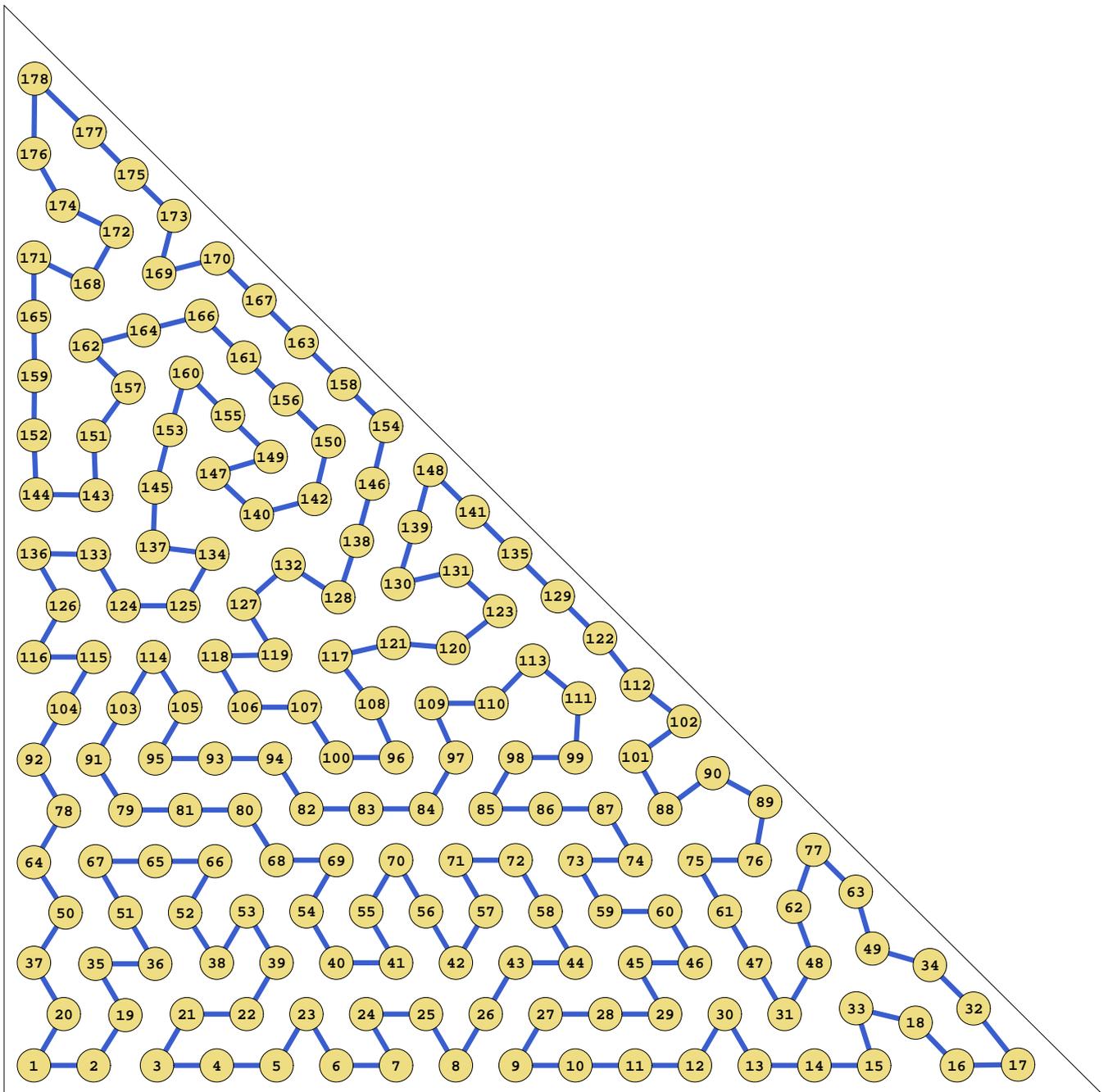

radius =   0.027187822226   density = 0.826701477341

ratio = 36.781173264666   length =   9.728555