# 450 circles in a circular quadrant
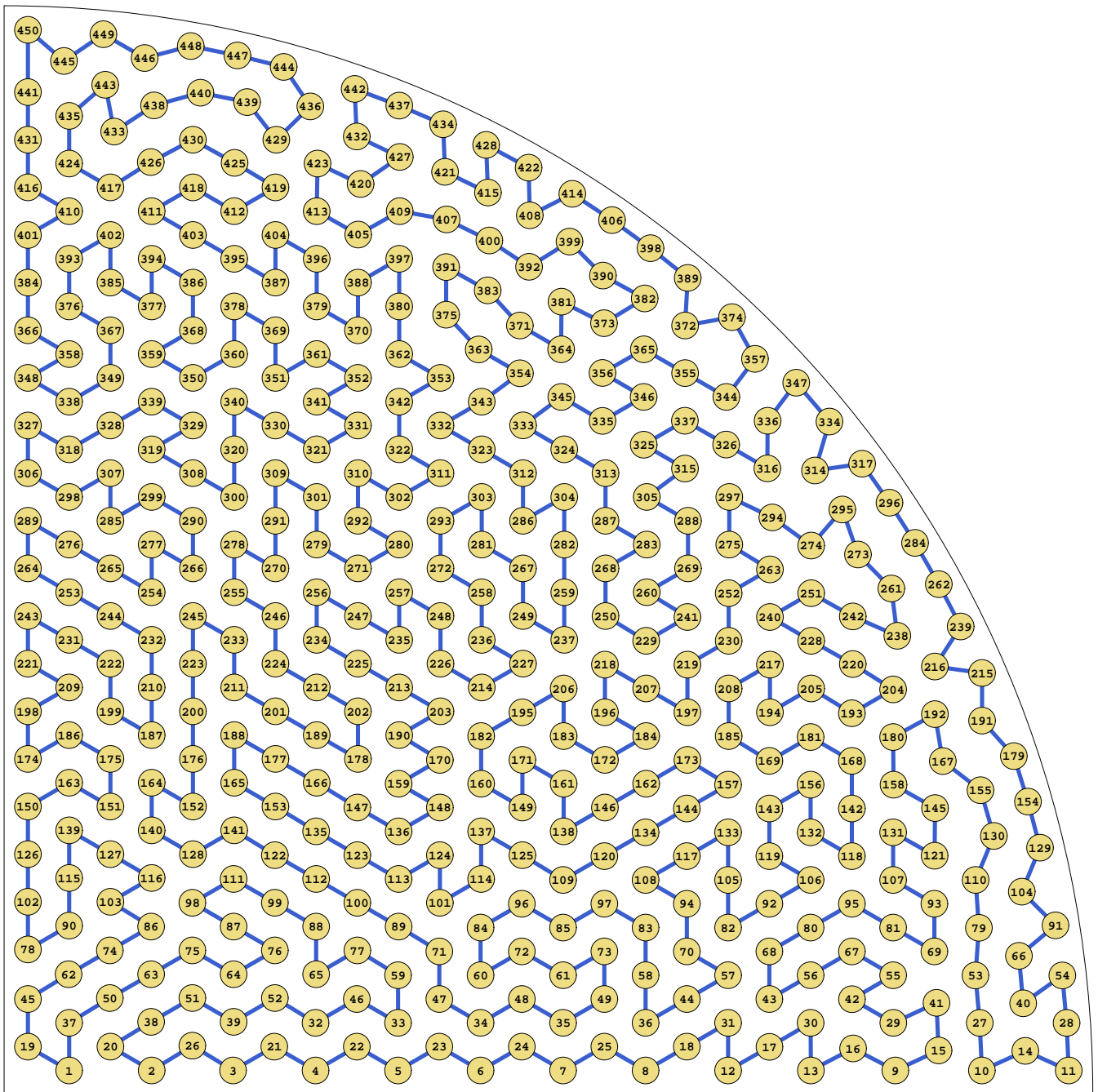


radius =    0.021878170511     density = 0.861577820810

ratio  = 45.707660954185     length  =  19.713161