270 circles in a circular quadrant
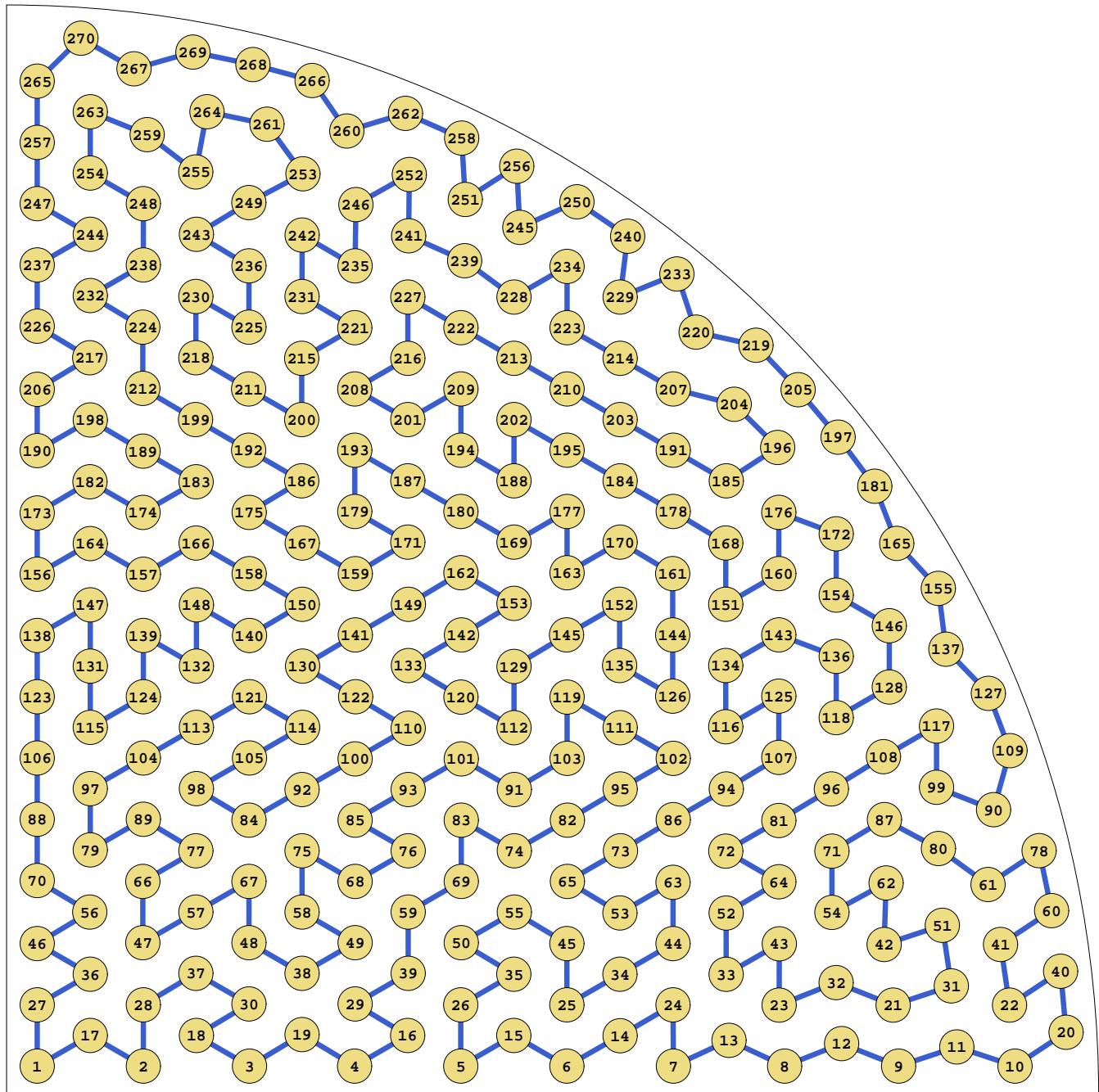
radius   =   0.028056543256   density   = 0.850143189059
ratio   = 35.642309562537   length   = 15.155003