212 circles in a 1x0.60000 rectangle
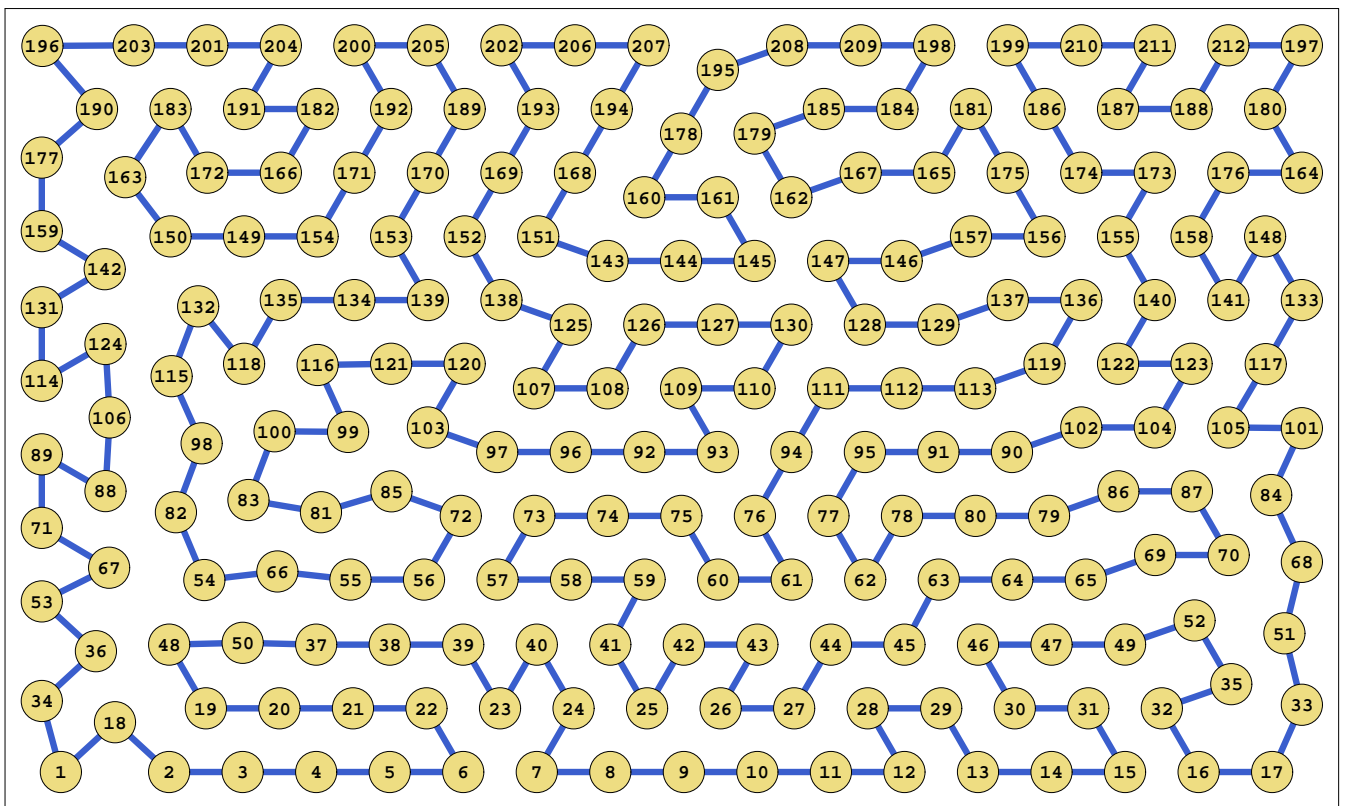

radius =   0.027569811433   density = 0.843727247752

ratio   = 21.762934485608   length   =   11.723340