139 circles in an isosceles right triangle
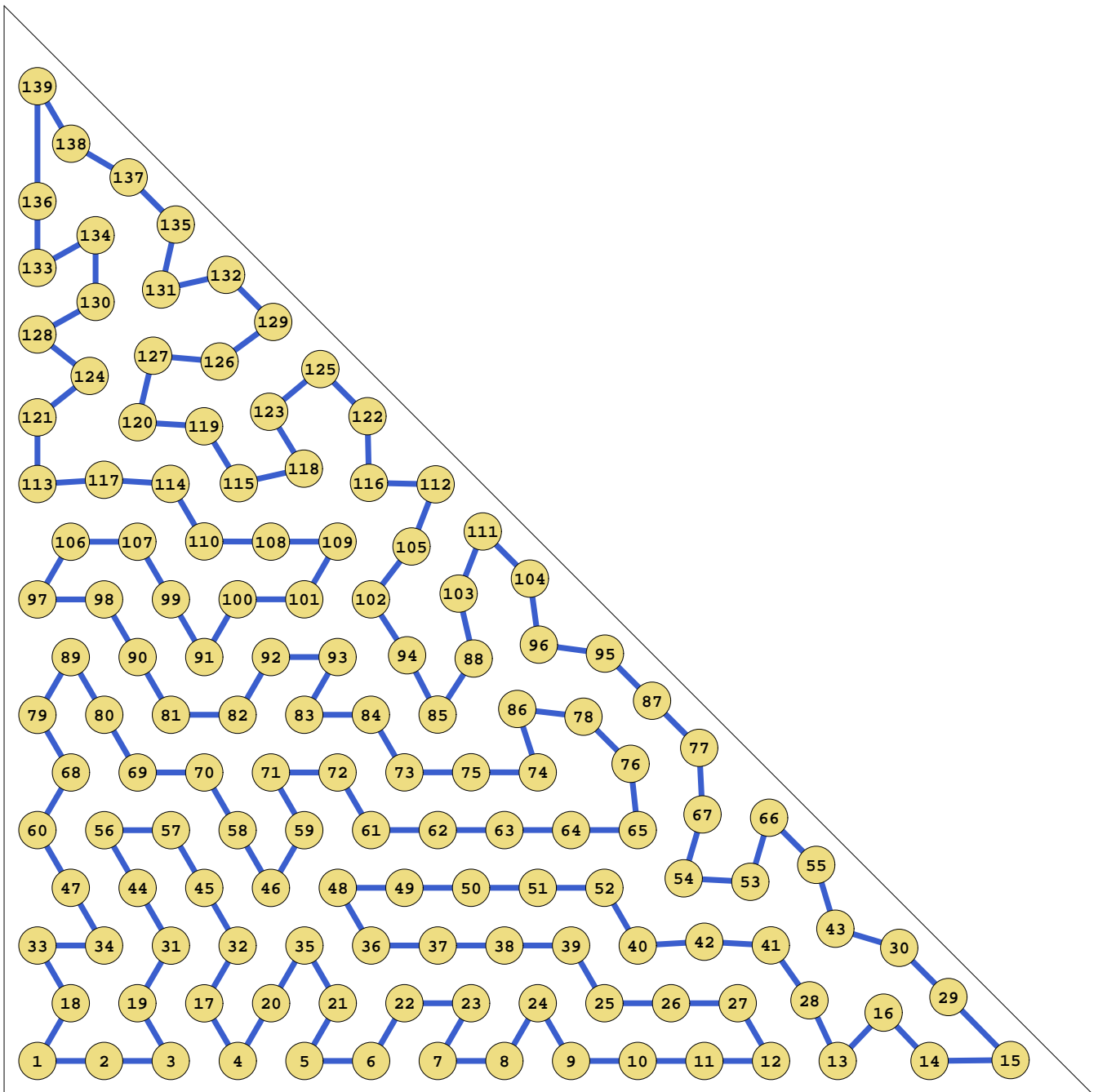

radius =   0.030612919211   density = 0.818472626823

ratio = 32.665947115557   length   =   8.593312