40 circles in an isosceles right triangle
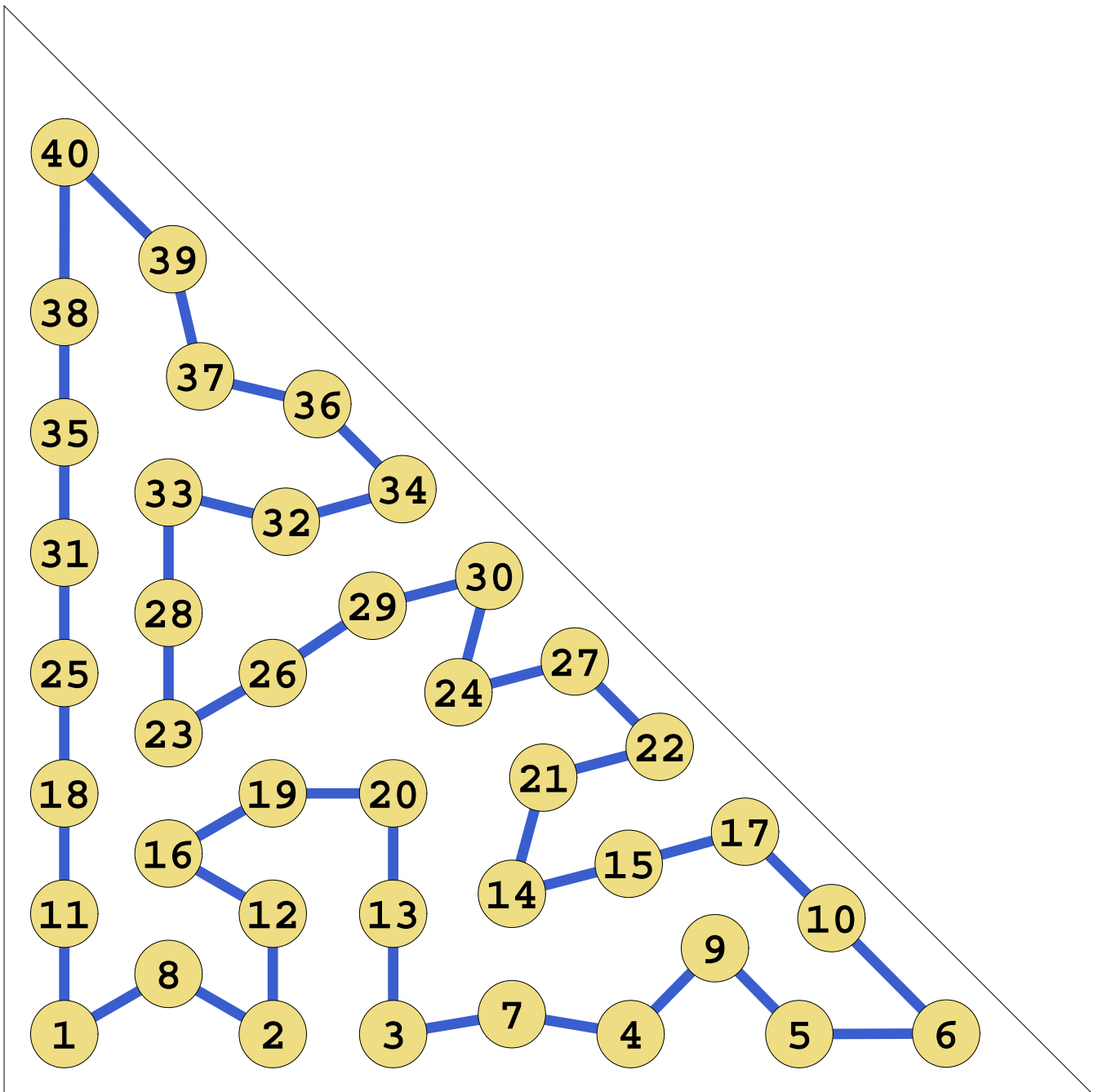

radius =   0.055284785872   **density = 0.768159000174**

ratio = 18.088159051726   **length   =   4.554195**