16 circles in an isosceles right triangle
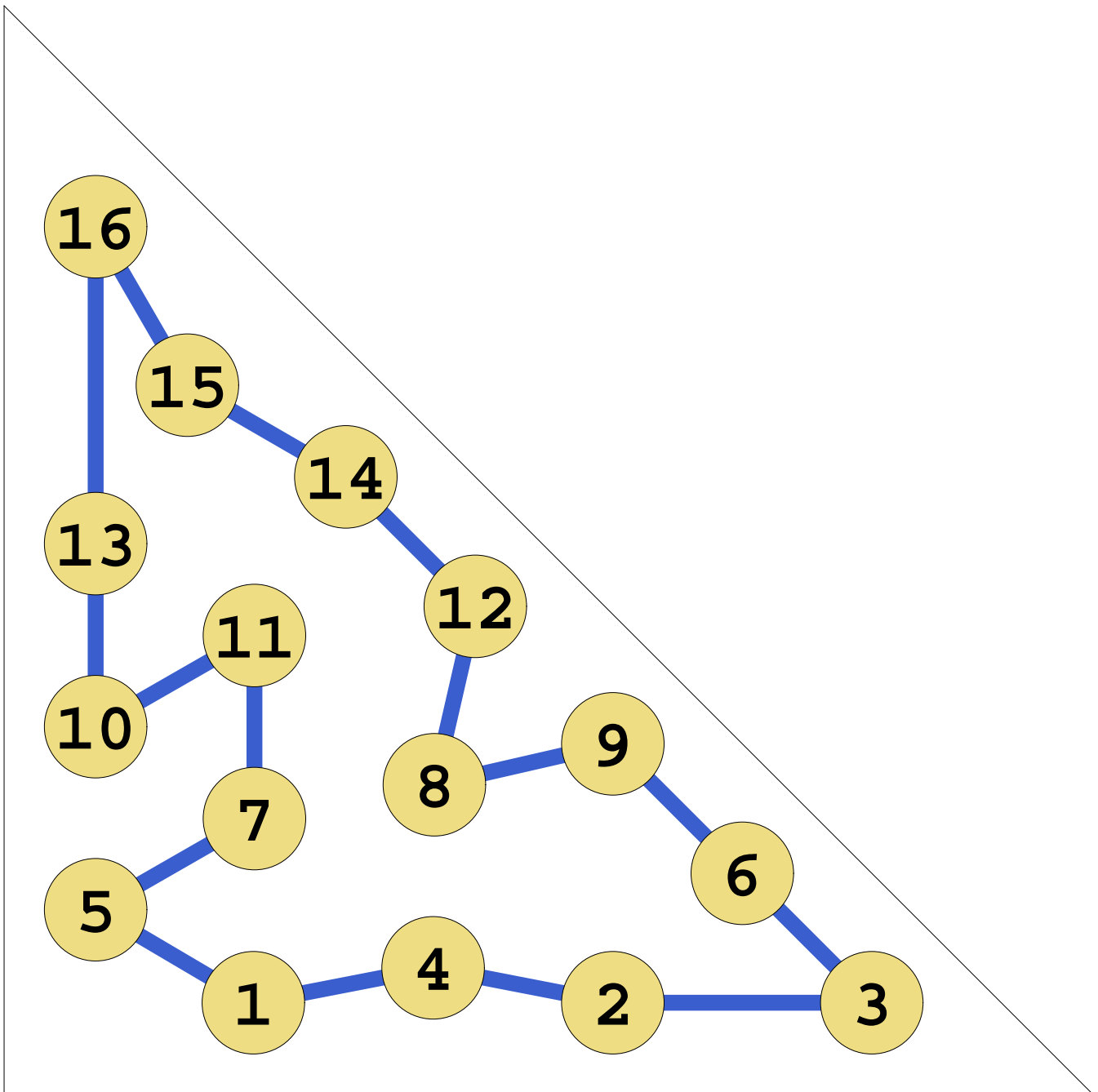

radius =   0.084090268326   density = 0.710871867603
ratio = 11.891982507707   length   =   2.883479