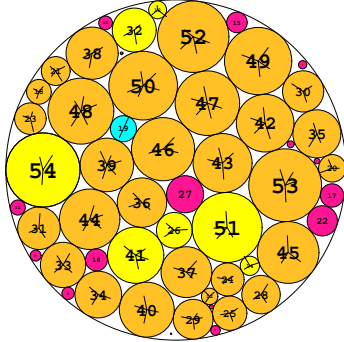


N = 54

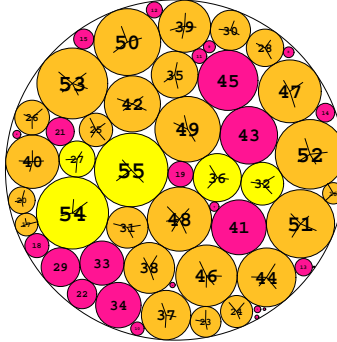
54 circles in a circle



radius = 0.217914784275 density = 0.878653348665  
 ratio = 247.803287783735 contacts = 75

N = 55

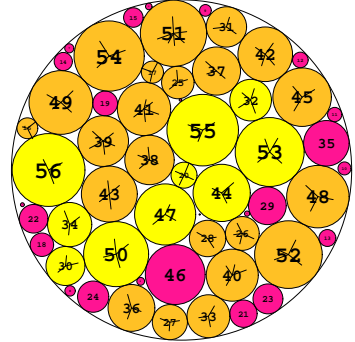
55 circles in a circle



radius = 0.215922488044 density = 0.878198756249  
 ratio = 254.71203692896 contacts = 60

N = 56

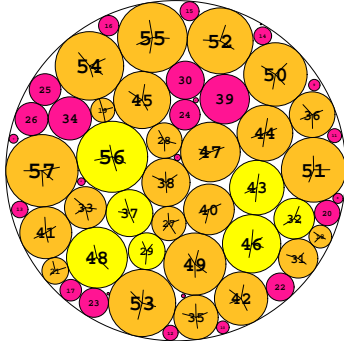
56 circles in a circle



radius = 0.214034517772 density = 0.878176191889  
 ratio = 261.640046974734 contacts = 64

N = 57

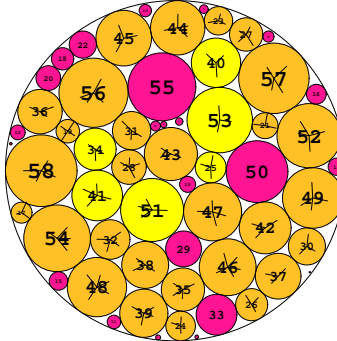
57 circles in a circle



radius = 0.2123005485023 density = 0.879440552607  
 ratio = 269.424081481448 contacts = 62

N = 58

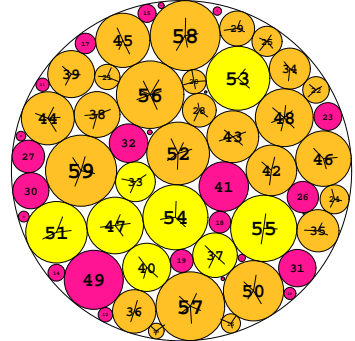
58 circles in a circle



radius = 0.210548052520 density = 0.879348621103  
 ratio = 275.47155702844 contacts = 70

N = 59

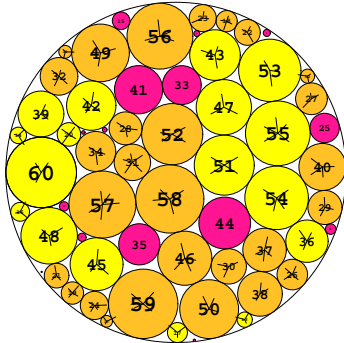
59 circles in a circle



radius = 0.208972369705 density = 0.880790627917  
 ratio = 282.333975938063 contacts = 68

N = 60

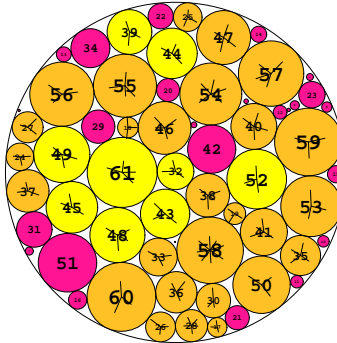
60 circles in a circle



radius = 0.207366869874 density = 0.881640331061  
 ratio = 289.342265890872 contacts = 90

N = 61

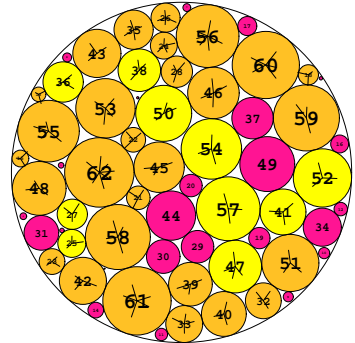
61 circles in a circle



radius = 0.20582562112 density = 0.880619431021  
 ratio = 296.717773012534 contacts = 72

N = 62

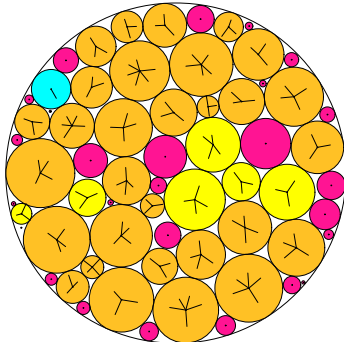
62 circles in a circle



radius = 0.204096589402 density = 0.881818320482  
 ratio = 303.777736715649 contacts = 76

N = 63

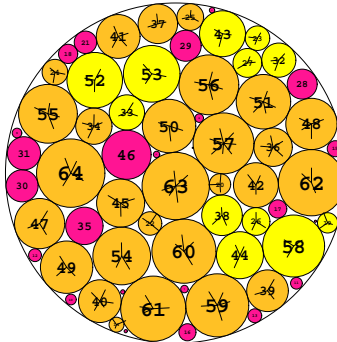
63 circles in a circle



radius = 0.202622167430 density = 0.882807081862  
 ratio = 316.923532202431 contacts = 73

N = 64

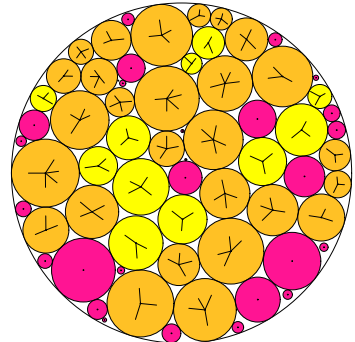
64 circles in a circle



radius = 0.200916052386 density = 0.881456968731  
 ratio = 318.540998798171 contacts = 80

N = 65

65 circles in a circle



radius = 0.199651070037 density = 0.883677726373  
 ratio = 325.568002154341 contacts = 76