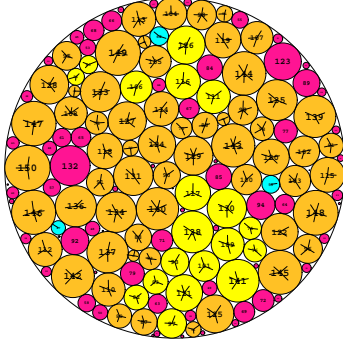


N = 150

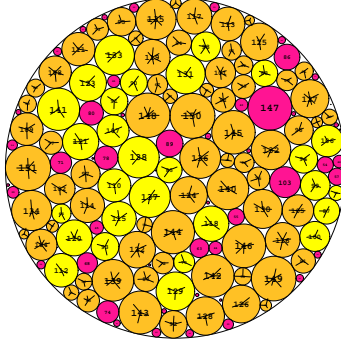
150 circles in a circle



radius = 0.133219386721 density = 0.896263671756
 ratio = 1125.962246875963 contacts = 162

N = 151

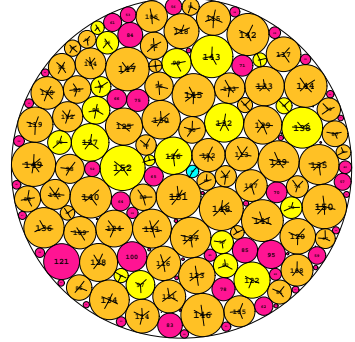
151 circles in a circle



radius = 0.132869815889 density = 0.897450874775
 ratio = 1136.450735555473 contacts = 198

N = 152

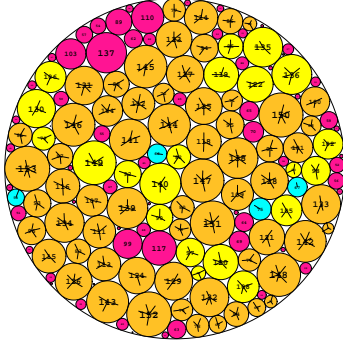
152 circles in a circle



radius = 0.132360230130 density = 0.896419837958
 ratio = 1148.381200688844 contacts = 182

N = 153

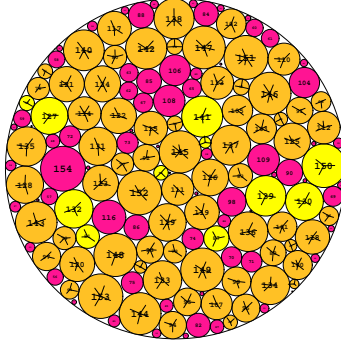
153 circles in a circle



radius = 0.131975462630 density = 0.897049715260
 ratio = 1159.288108497683 contacts = 172

N = 154

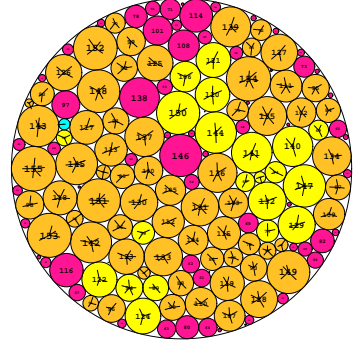
154 circles in a circle



radius = 0.131622973236 density = 0.898010883406
 ratio = 1170.008519132399 contacts = 162

N = 155

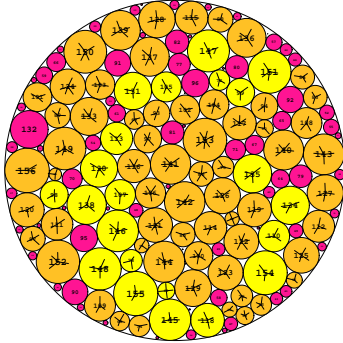
155 circles in a circle



radius = 0.1310998686403 density = 0.896613646379
 ratio = 1182.306413177379 contacts = 175

N = 156

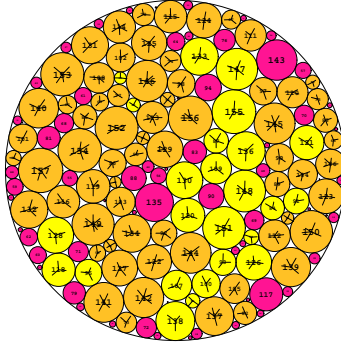
156 circles in a circle



radius = 0.130738721959 density = 0.897380465858
 ratio = 1193.21955777535 contacts = 168

N = 157

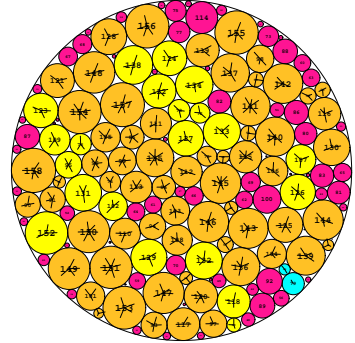
157 circles in a circle



radius = 0.130264189890 density = 0.896534110377
 ratio = 1205.242985270955 contacts = 182

N = 158

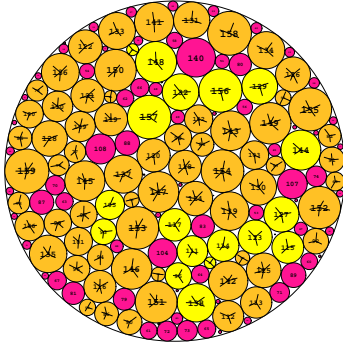
158 circles in a circle



radius = 0.129879275756 density = 0.896866423979
 ratio = 1216.514329021105 contacts = 172

N = 159

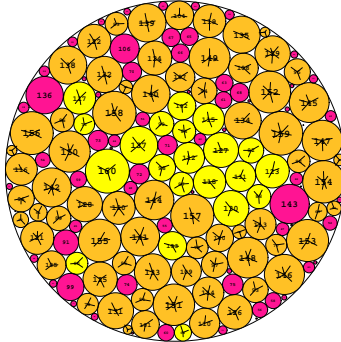
159 circles in a circle



radius = 0.129561929385 density = 0.898361689762
 ratio = 1227.025940273985 contacts = 168

N = 160

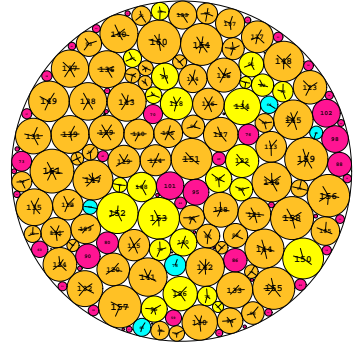
160 circles in a circle



radius = 0.129143332827 density = 0.897849728520
 ratio = 1238.933489215460 contacts = 182

N = 161

161 circles in a circle



radius = 0.128692648957 density = 0.897114530731
 ratio = 1251.042707602936 contacts = 207