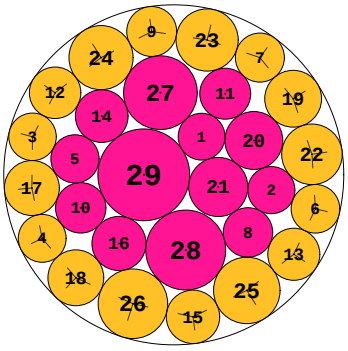
N = 29

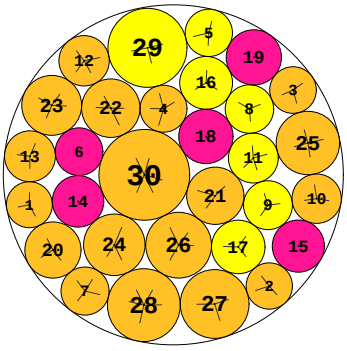
29 circles in a circle



radius = 0.269953601659 density = 0.842692522166
ratio = 3.704340278679 contacts = 32

N = 30

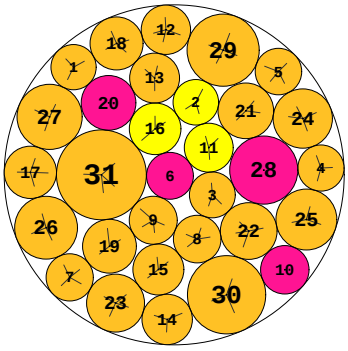
30 circles in a circle



radius = 0.266901145291 density = 0.842017837625
ratio = 3.746705541144 contacts = 50

N = 31

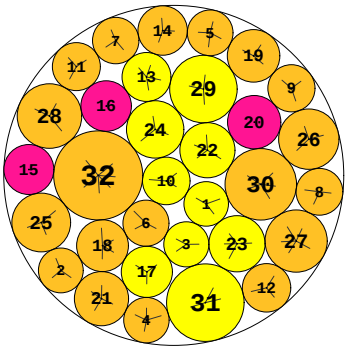
31 circles in a circle



radius = 0.264340788855 density = 0.843632809859
ratio = 3.782995444378 contacts = 54

N = 32

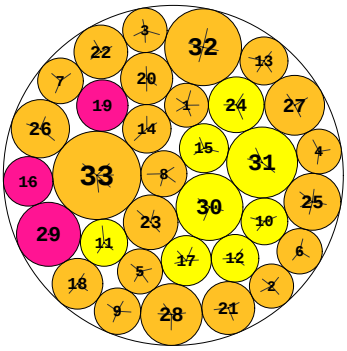
32 circles in a circle



radius = 0.261920960889 density = 0.845408589325
ratio = 3.817945675697 contacts = 58

N = 33

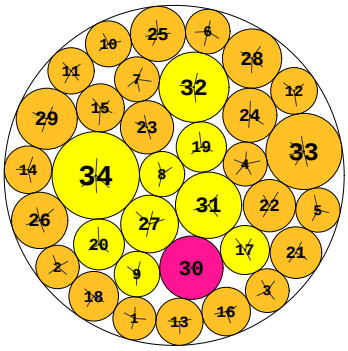
33 circles in a circle



radius = 0.259519937562 density = 0.846611621173
ratio = 3.853268497961 contacts = 60

N = 34

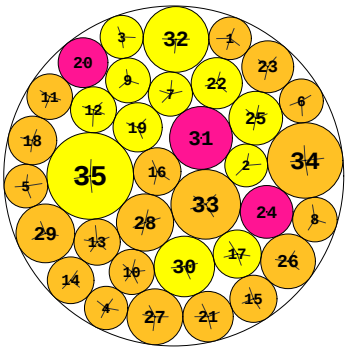
34 circles in a circle



radius = 0.257100935289 density = 0.847031840781
ratio = 3.889522995615 contacts = 66

N = 35

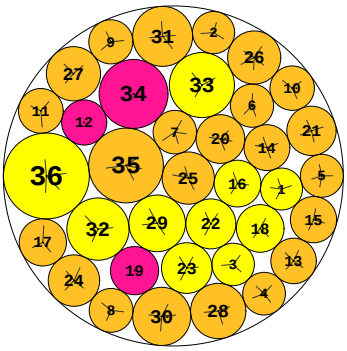
35 circles in a circle



radius = 0.254836796866 density = 0.847842694381
ratio = 3.924080086931 contacts = 64

N = 36

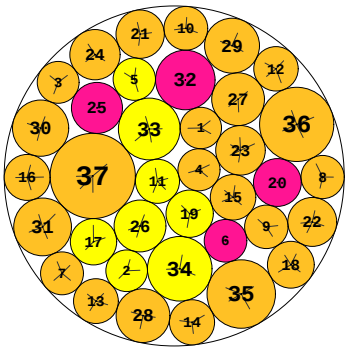
36 circles in a circle



radius = 0.252564650718 density = 0.848004547109
ratio = 3.959382269675 contacts = 66

N = 37

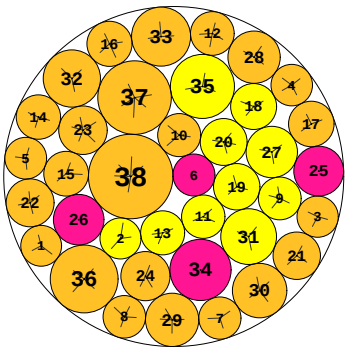
37 circles in a circle



radius = 0.250666572685 density = 0.850128748075
ratio = 3.989363197848 contacts = 66

N = 38

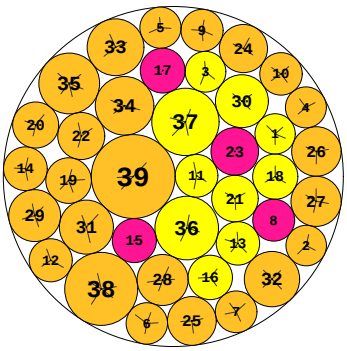
38 circles in a circle



radius = 0.248471752172 density = 0.849715802731
ratio = 4.024602359252 contacts = 68

N = 39

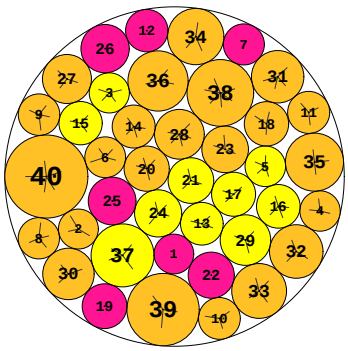
39 circles in a circle



radius = 0.246628908370 density = 0.851207886666
ratio = 4.054674720052 contacts = 70

N = 40

40 circles in a circle



radius = 0.244751967916 density = 0.851998243278
ratio = 4.085768986926 contacts = 66