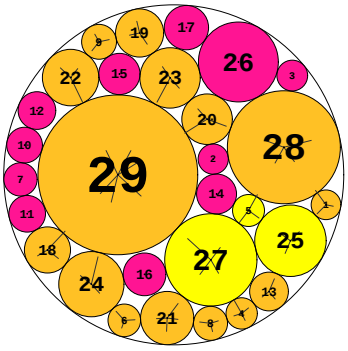
N = 29

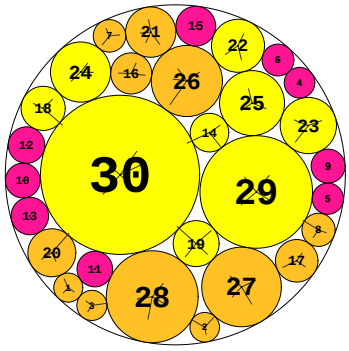
29 circles in a circle



radius = 0.469908040244 density = 0.874786903436
ratio = 2.128075951798 contacts = 36

N = 30

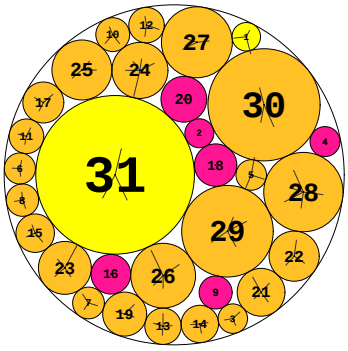
30 circles in a circle



radius = 0.468111875195 density = 0.875416447171
ratio = 2.136241469164 contacts = 42

N = 31

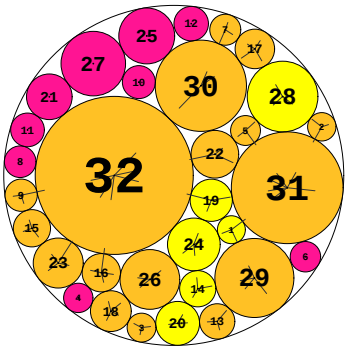
31 circles in a circle



radius = 0.466511538255 density = 0.876461515337
ratio = 2.143569704063 contacts = 50

N = 32

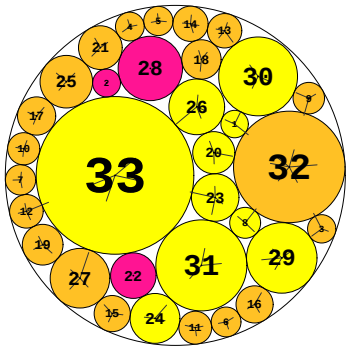
32 circles in a circle



radius = 0.464833270522 density = 0.876918932625
ratio = 2.151309003498 contacts = 46

N = 33

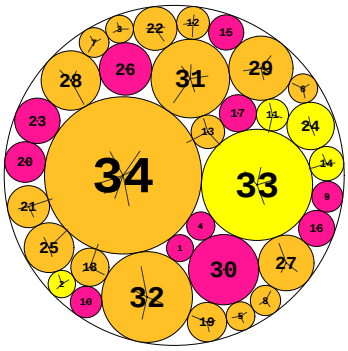
33 circles in a circle



radius = 0.463676655479 density = 0.879075430314
ratio = 2.156675321439 contacts = 60

N = 34

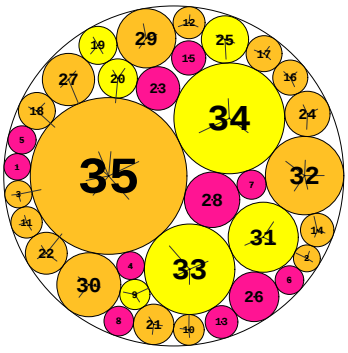
34 circles in a circle



radius = 0.462334598612 density = 0.880280897607
ratio = 2.162935681220 contacts = 46

N = 35

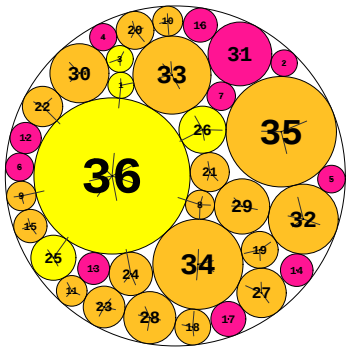
35 circles in a circle



radius = 0.460853371077 density = 0.880717611985
ratio = 2.169887566761 contacts = 48

N = 36

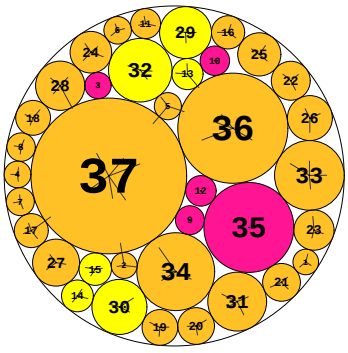
36 circles in a circle



radius = 0.459301870582 density = 0.880657528681
ratio = 2.177217346695 contacts = 50

N = 37

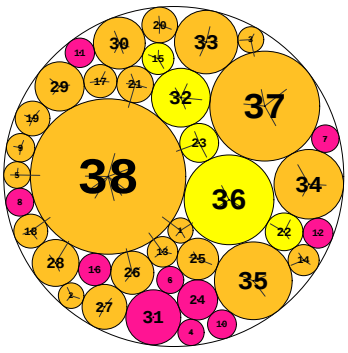
37 circles in a circle



radius = 0.458026808993 density = 0.881444714186
ratio = 2.183278315516 contacts = 64

N = 38

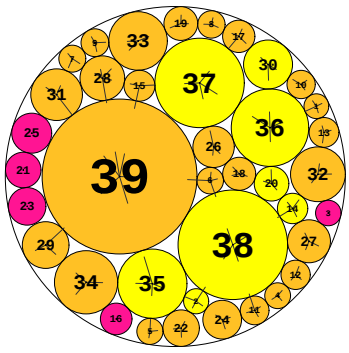
38 circles in a circle



radius = 0.457010575847 density = 0.883033976318
ratio = 2.188133169888 contacts = 56

N = 39

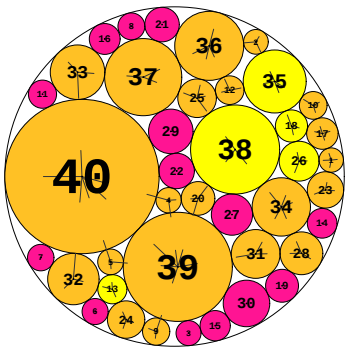
39 circles in a circle



radius = 0.455540870731 density = 0.882684553380
ratio = 2.195192713216 contacts = 68

N = 40

40 circles in a circle



radius = 0.454540624932 density = 0.883977710556
ratio = 2.200023375580 contacts = 52