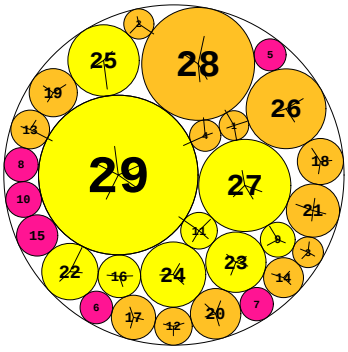
N = 29

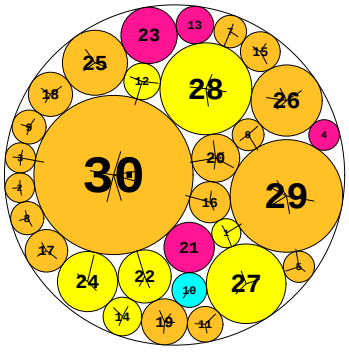
29 circles in a circle



radius = 0.469047743382 density = 0.871586755900
ratio = 2.131979130291 contacts = 46

N = 30

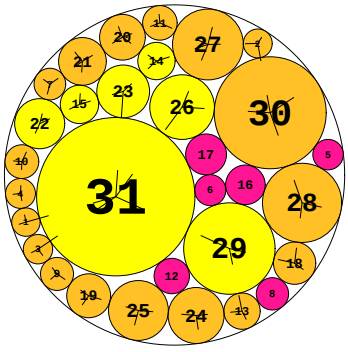
30 circles in a circle



radius = 0.467839775366 density = 0.874399034675
ratio = 2.137483926451 contacts = 51

N = 31

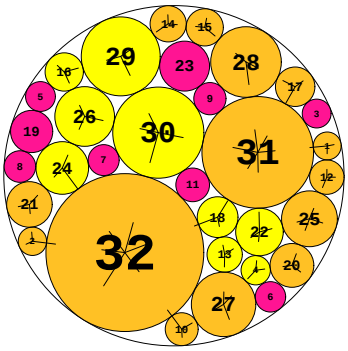
31 circles in a circle



radius = 0.465336327623 density = 0.872051208568
ratio = 2.148983306564 contacts = 50

N = 32

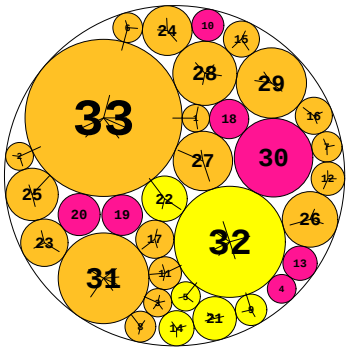
32 circles in a circle



radius = 0.463960875973 density = 0.873630435630
ratio = 2.155354151151 contacts = 46

N = 33

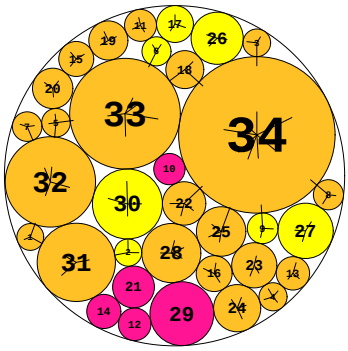
33 circles in a circle



radius = 0.461722365794 density = 0.871680847873
ratio = 2.165803682220 contacts = 52

N = 34

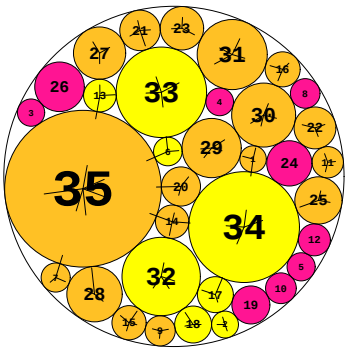
34 circles in a circle



radius = 0.459904573607 density = 0.871051724428
ratio = 2.174364112444 contacts = 58

N = 35

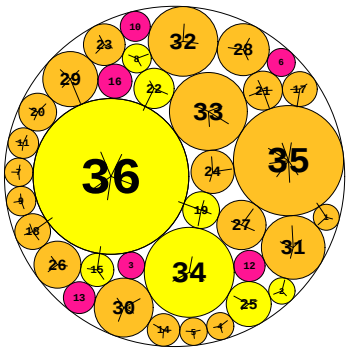
35 circles in a circle



radius = 0.460582836710 density = 0.879683901646
ratio = 2.171162102223 contacts = 52

N = 36

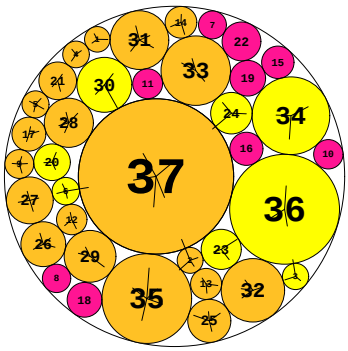
36 circles in a circle



radius = 0.457843771136 density = 0.875074934283
ratio = 2.184151151646 contacts = 60

N = 37

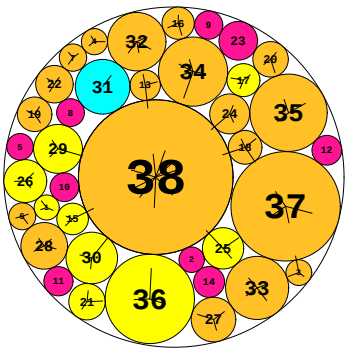
37 circles in a circle



radius = 0.456553457953 density = 0.875783086044
ratio = 2.190324008242 contacts = 56

N = 38

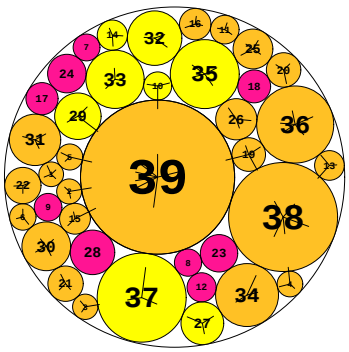
38 circles in a circle



radius = 0.454486951107 density = 0.873308627561
ratio = 2.200283193091 contacts = 57

N = 39

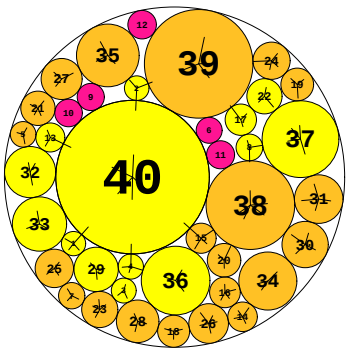
39 circles in a circle



radius = 0.453013802171 density = 0.872918503851
ratio = 2.207438261721 contacts = 60

N = 40

40 circles in a circle



radius = 0.451306703844 density = 0.871443980661
ratio = 2.215788047204 contacts = 70