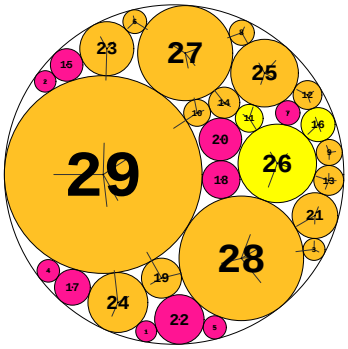
N = 29

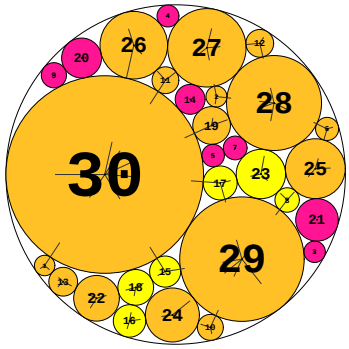
29 circles in a circle



radius = 0.582551501195 density = 0.892548448423
ratio = 1.716586427034 contacts = 38

N = 30

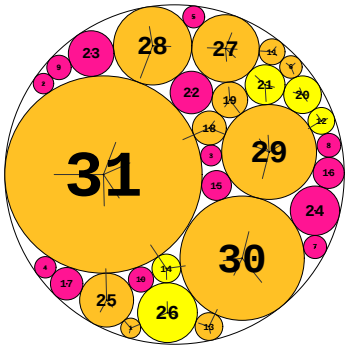
30 circles in a circle



radius = 0.582016661609 density = 0.894544230103
ratio = 1.718163870489 contacts = 44

N = 31

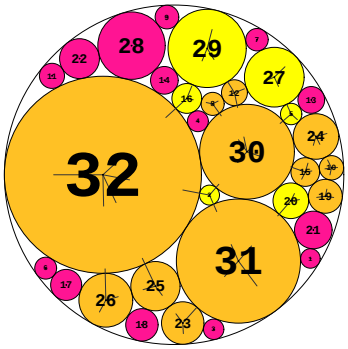
31 circles in a circle



radius = 0.581264988782 density = 0.895704613071
ratio = 1.720385743678 contacts = 34

N = 32

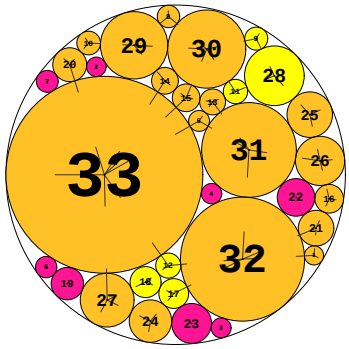
32 circles in a circle



radius = 0.580540158226 density = 0.896789540211
ratio = 1.722533722829 contacts = 36

N = 33

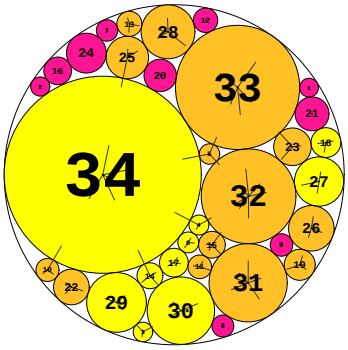
33 circles in a circle



radius = 0.580106222028 density = 0.898628682617
ratio = 1.723822227771 contacts = 50

N = 34

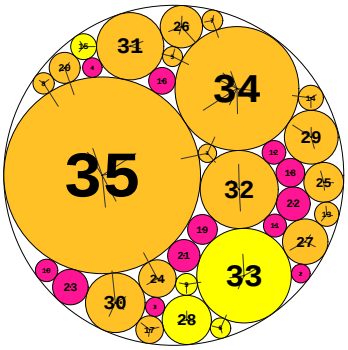
34 circles in a circle



radius = 0.579644328954 density = 0.900248598652
ratio = 1.725195865895 contacts = 48

N = 35

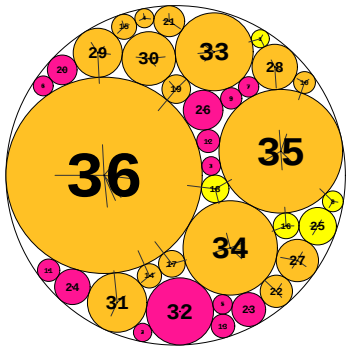
35 circles in a circle



radius = 0.578477449711 density = 0.899550584827
ratio = 1.728675855038 contacts = 46

N = 36

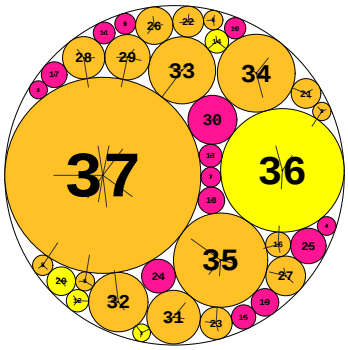
36 circles in a circle



radius = 0.578261239672 density = 0.901691338320
ratio = 1.729322201445 contacts = 44

N = 37

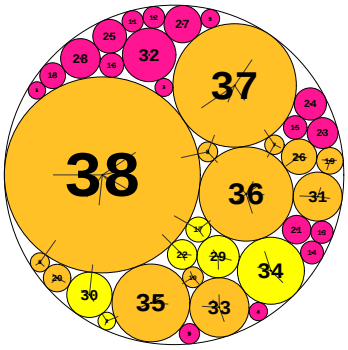
37 circles in a circle



radius = 0.577559895368 density = 0.902210999363
ratio = 1.731422157287 contacts = 46

N = 38

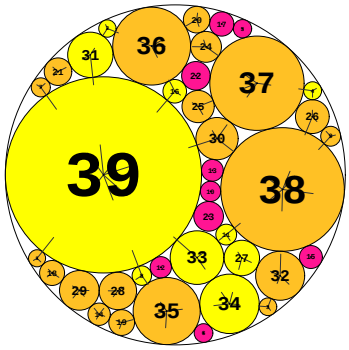
38 circles in a circle



radius = 0.577235420074 density = 0.903805674623
ratio = 1.732395423467 contacts = 38

N = 39

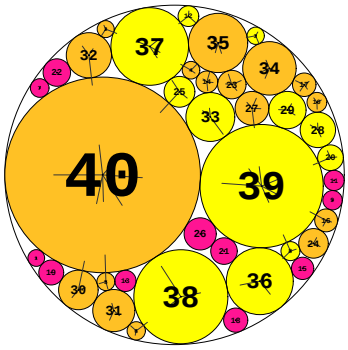
39 circles in a circle



radius = 0.576957659885 density = 0.905452992720
ratio = 1.733229436973 contacts = 60

N = 40

40 circles in a circle



radius = 0.576240029019 density = 0.905629273385
ratio = 1.735387945373 contacts = 58