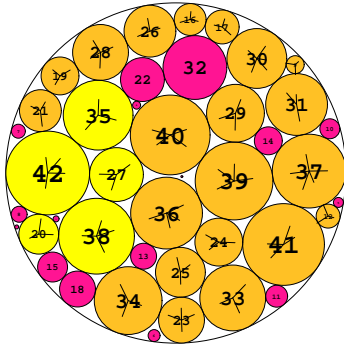


N = 42

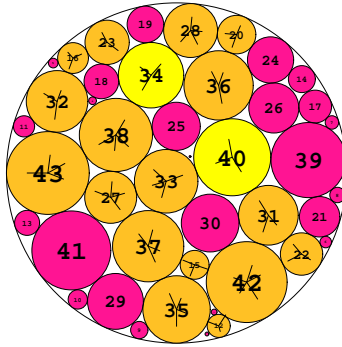
42 circles in a circle



radius = 0.246048849401 density = 0.878070764467
 ratio = 170.697811033273 contacts = 52

N = 43

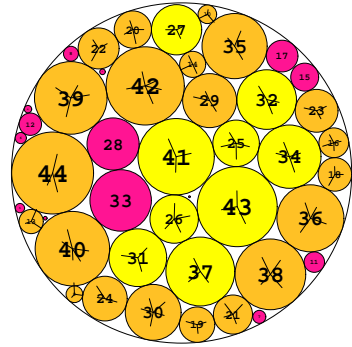
43 circles in a circle



radius = 0.243305345567 density = 0.878325566835
 ratio = 176.732656242016 contacts = 38

N = 44

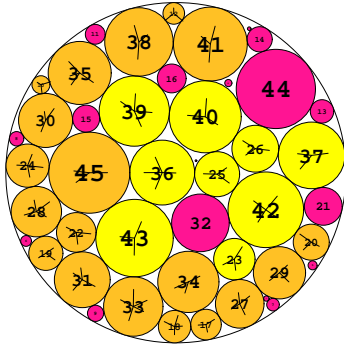
44 circles in a circle



radius = 0.240736277435 density = 0.879187844203
 ratio = 182.772619352599 contacts = 60

N = 45

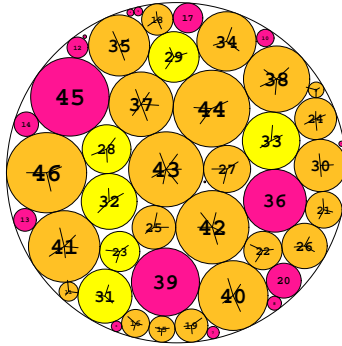
45 circles in a circle



radius = 0.238193977034 density = 0.879220663240
 ratio = 186.964696046553 contacts = 56

N = 46

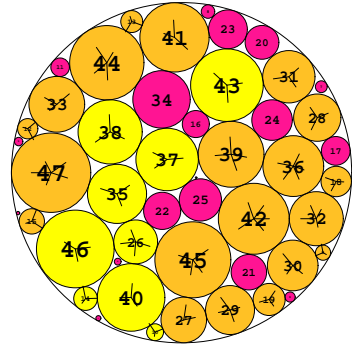
46 circles in a circle



radius = 0.235651027882 density = 0.879444677327
 ratio = 195.203901351477 contacts = 58

N = 47

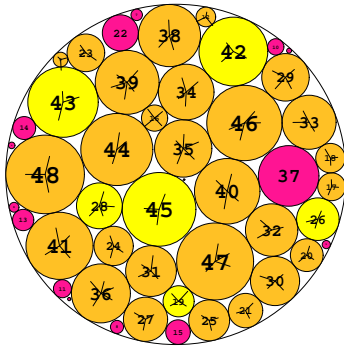
47 circles in a circle



radius = 0.23266603647 density = 0.879874773754
 ratio = 201.486193308812 contacts = 58

N = 48

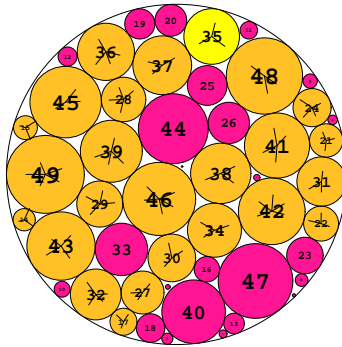
48 circles in a circle



radius = 0.23099040294 density = 0.880568588810
 ratio = 207.800843607257 contacts = 66

N = 49

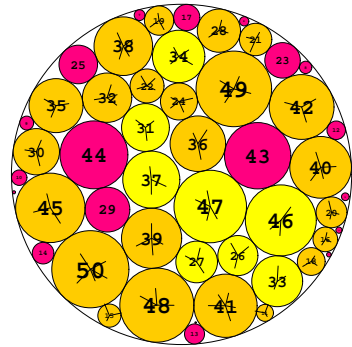
49 circles in a circle



radius = 0.228778537727 density = 0.881228284544
 ratio = 214.180930111971 contacts = 50

N = 50

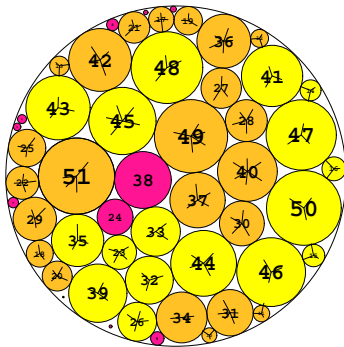
50 circles in a circle



radius = 0.226690133360 density = 0.882339112380
 ratio = 220.565400262403 contacts = 62

N = 51

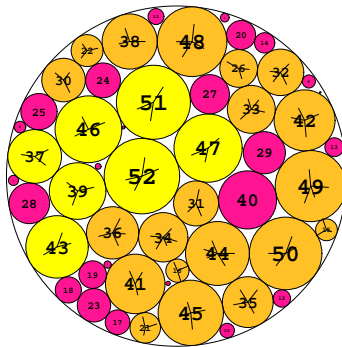
51 circles in a circle



radius = 0.223998263732 density = 0.878230359027
 ratio = 227.600336233550 contacts = 80

N = 52

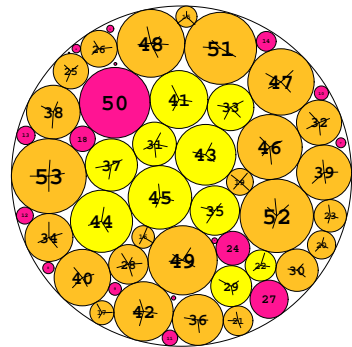
52 circles in a circle



radius = 0.221904895916 density = 0.877511528708
 ratio = 234.440274516743 contacts = 54

N = 53

53 circles in a circle



radius = 0.219795841972 density = 0.877787439597
 ratio = 241.132860041997 contacts = 70