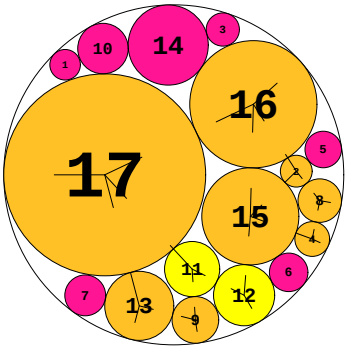
N = 17

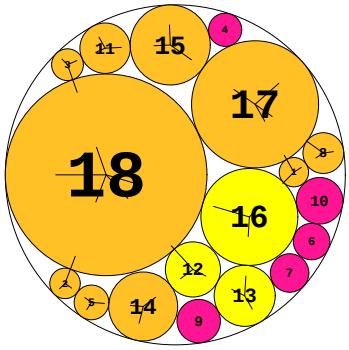
17 circles in a circle



radius = 0.593880310526 density = 0.862510452140
ratio = 1.683840973131 contacts = 20

N = 18

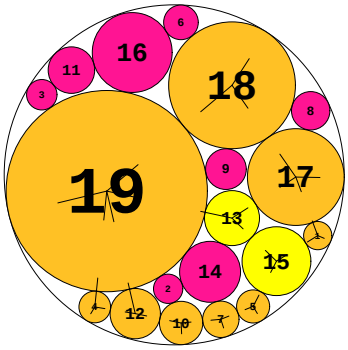
18 circles in a circle



radius = 0.593110930355 density = 0.867734300797
ratio = 1.686025242196 contacts = 26

N = 19

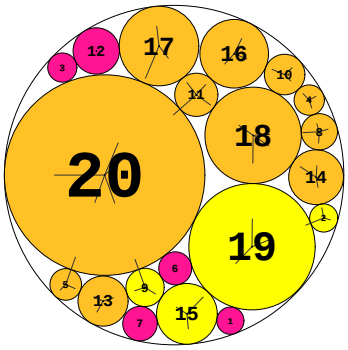
19 circles in a circle



radius = 0.591879670735 density = 0.871045066045
ratio = 1.689532601718 contacts = 22

N = 20

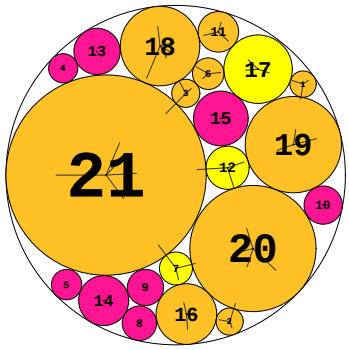
20 circles in a circle



radius = 0.590738021043 density = 0.874116176903
ratio = 1.692797762086 contacts = 30

N = 21

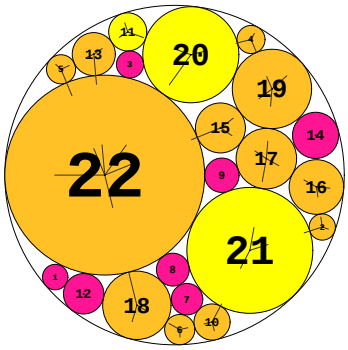
21 circles in a circle



radius = 0.590061955908 density = 0.878126042004
ratio = 1.694737289852 contacts = 26

N = 22

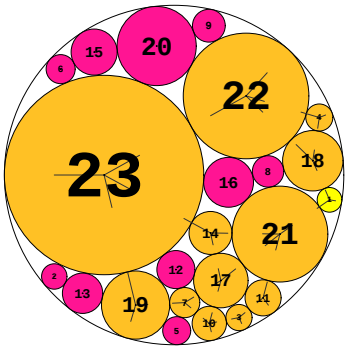
22 circles in a circle



radius = 0.588796381994 density = 0.879987090434
ratio = 1.698380001273 contacts = 30

N = 23

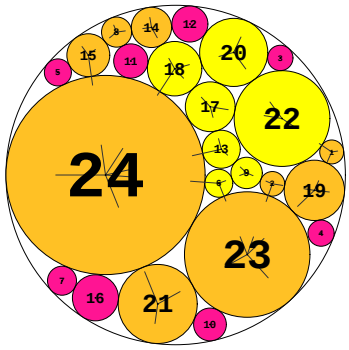
23 circles in a circle



radius = 0.587461695900 density = 0.881278304401
ratio = 1.702238642927 contacts = 26

N = 24

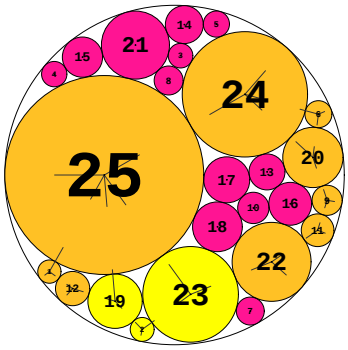
24 circles in a circle



radius = 0.586783177310 density = 0.884217358227
ratio = 1.704207002975 contacts = 32

N = 25

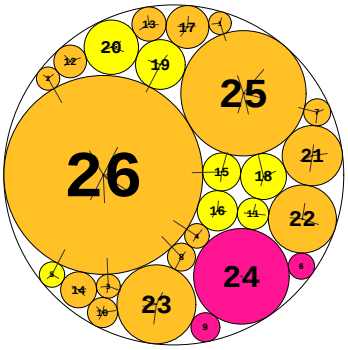
25 circles in a circle



radius = 0.586056604447 density = 0.886727482781
ratio = 1.706319820323 contacts = 24

N = 26

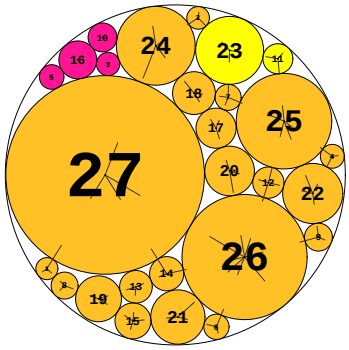
26 circles in a circle



radius = 0.584900287214 density = 0.887673354084
ratio = 1.709693125240 contacts = 46

N = 27

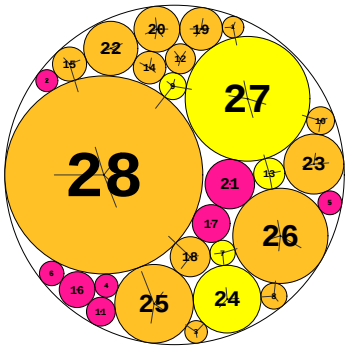
27 circles in a circle



radius = 0.584073153388 density = 0.889376154382
ratio = 1.712114303147 contacts = 46

N = 28

28 circles in a circle



radius = 0.583301820074 density = 0.891030348395
ratio = 1.714378329683 contacts = 40