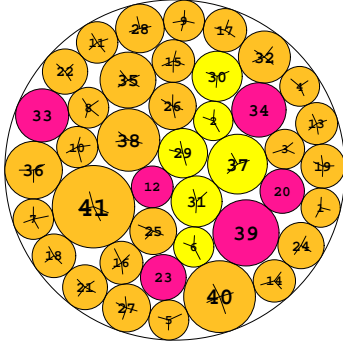


N = 41

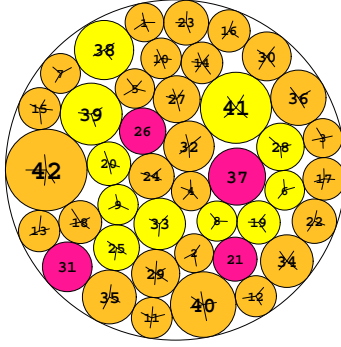
41 circles in a circle



radius = 0.242131301059 density = 0.847124073036
 ratio = 4.129990610981 contacts = 70

N = 42

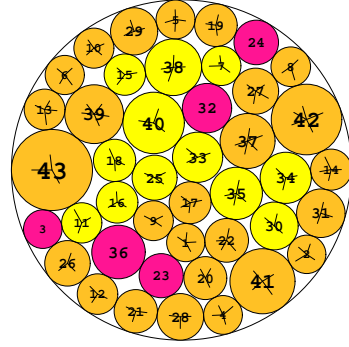
42 circles in a circle



radius = 0.239804915542 density = 0.843818875788
 ratio = 4.170056304900 contacts = 76

N = 43

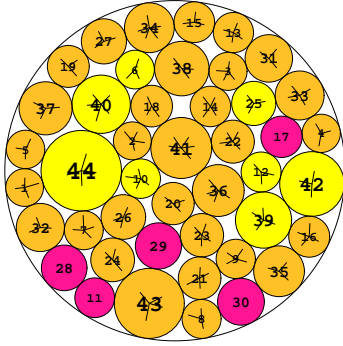
43 circles in a circle



radius = 0.238291248726 density = 0.845813300268
 ratio = 4.196545216608 contacts = 76

N = 44

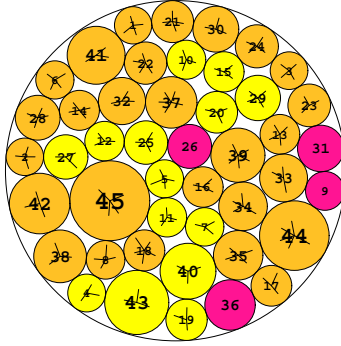
44 circles in a circle



radius = 0.236468812282 density = 0.844782415476
 ratio = 4.230014441467 contacts = 78

N = 45

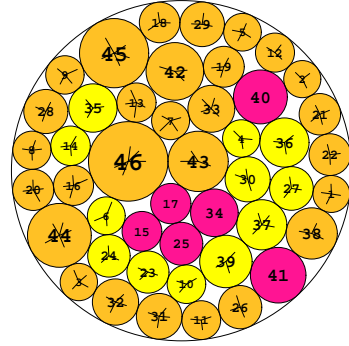
45 circles in a circle



radius = 0.234806830674 density = 0.845419749210
 ratio = 4.259819886666 contacts = 81

N = 46

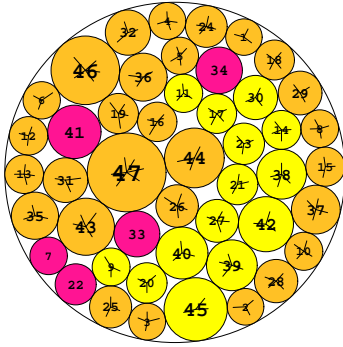
46 circles in a circle



radius = 0.233648830587 density = 0.846890903014
 ratio = 4.279963898976 contacts = 80

N = 47

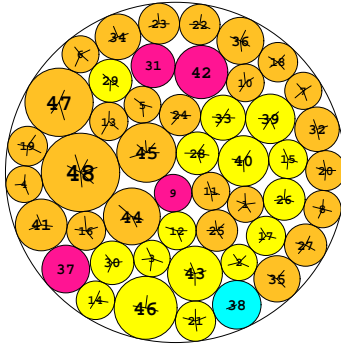
47 circles in a circle



radius = 0.231516835488 density = 0.844974118167
 ratio = 4.319340310147 contacts = 84

N = 48

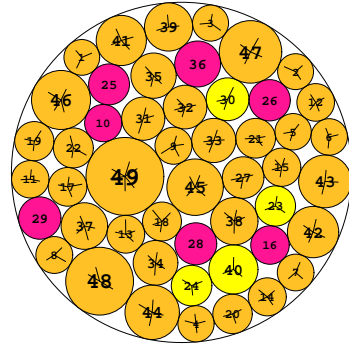
48 circles in a circle



radius = 0.230398912995 density = 0.848117620768
 ratio = 4.340298254688 contacts = 86

N = 49

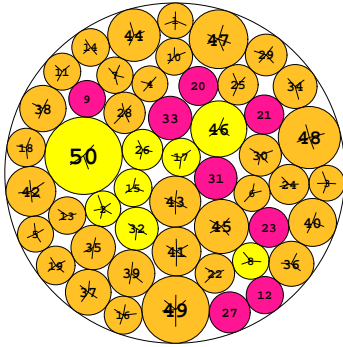
49 circles in a circle



radius = 0.228836990017 density = 0.846797586510
 ratio = 4.369922886700 contacts = 84

N = 50

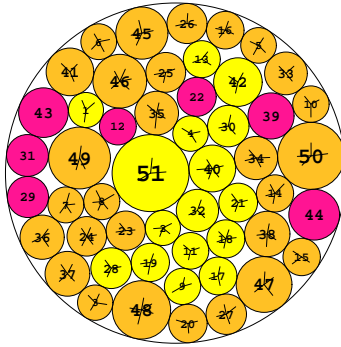
50 circles in a circle



radius = 0.227365791428 density = 0.847643498498
 ratio = 4.398159769351 contacts = 84

N = 51

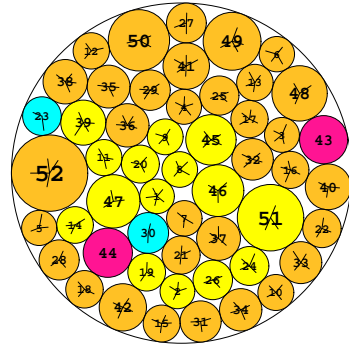
51 circles in a circle



radius = 0.226192880644 density = 0.849536122016
 ratio = 4.421005635346 contacts = 88

N = 52

52 circles in a circle



radius = 0.224360980017 density = 0.846194511448
 ratio = 4.457103013847 contacts = 98