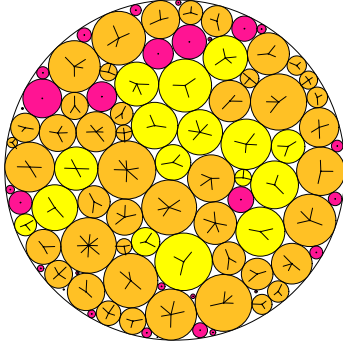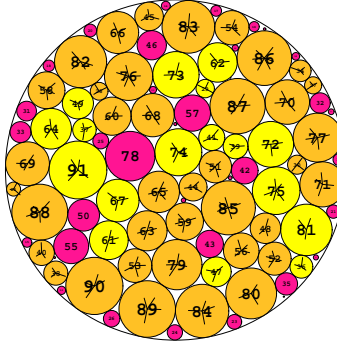## N = 90
90 circles in a circle

radius = 0.170809424643   density = 0.889917745545
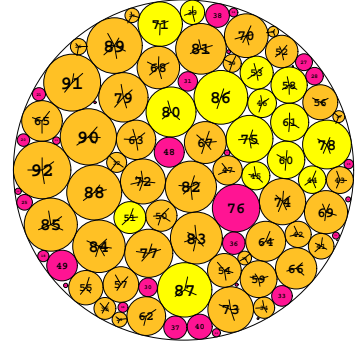ratio = 526.903010113754   contacts = 122

N = 91
91 circles in a circle

radius = 0.169895251201   density = 0.890038420261
ratio = 535.624152864368   contacts = 110
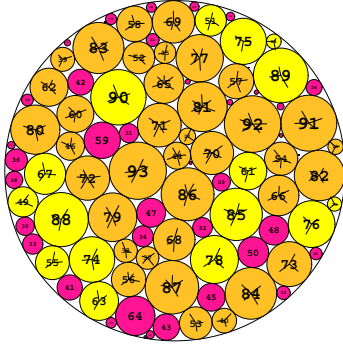
N = 92
92 circles in a circle

radius = 0.168977286396   density = 0.889963637110
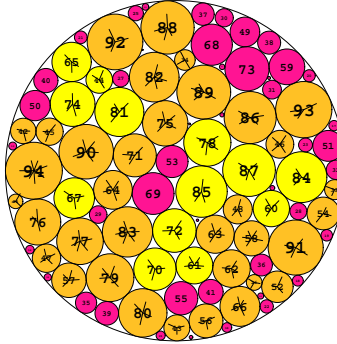ratio = 544.451872567948   contacts = 120

N = 93
93 circles in a circle

radius = 0.168087147162   density = 0.890029237927
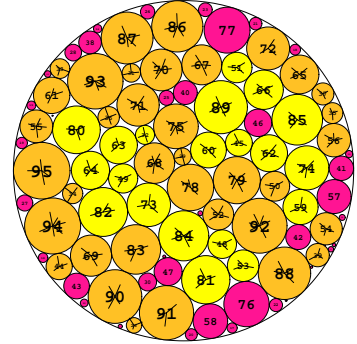ratio = 553.284421624464   contacts = 106

N = 94
94 circles in a circle

radius = 0.167174325043   density = 0.889703834562
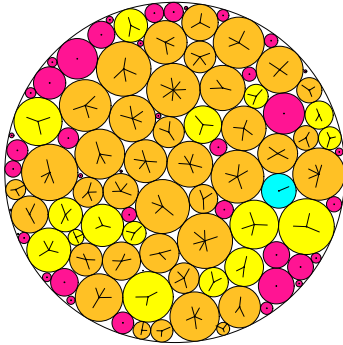ratio = 562.287300850277   contacts = 96

N = 95
95 circles in a circle

radius = 0.166382367168   density = 0.890521362855
ratio = 570.973965672987   contacts = 112
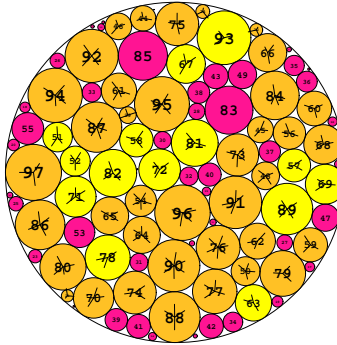
N = 96
96 circles in a circle

radius = 0.165530158047   density = 0.890555149597
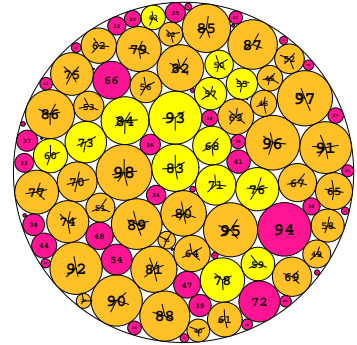ratio = 579.954741376230   contacts = 109

N = 97
97 circles in a circle

radius = 0.164657504589   density = 0.890226998028
ratio = 589.101603610918   contacts = 104
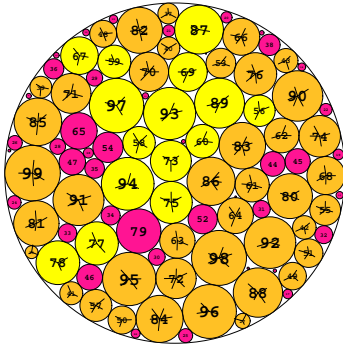
N = 98
98 circles in a circle

radius = 0.163855665395   density = 0.890526850573
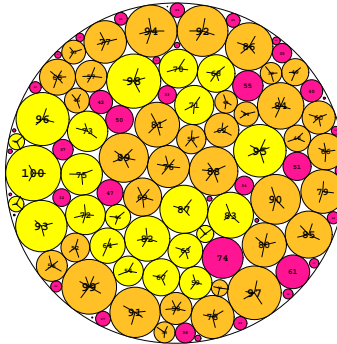ratio = 598.087345736531   contacts = 106

N = 99
99 circles in a circle

radius = 0.163039975380   density = 0.890542875562
ratio = 607.213045567427   contacts = 112
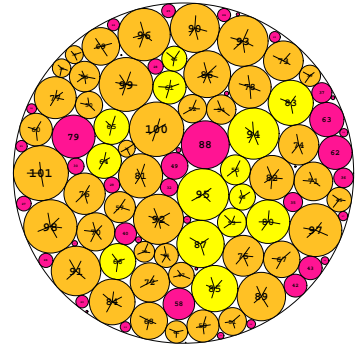
N = 100
100 circles in a circle

radius = 0.162372551558   density = 0.892054547473
ratio = 615.867639207190   contacts = 118

N = 101
101 circles in a circle

radius = 0.161493306775   density = 0.891112714327
ratio = 625.412916591798   contacts = 116