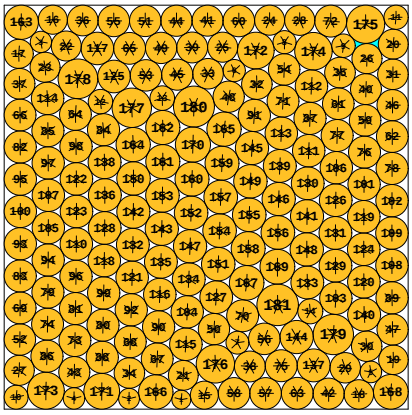
N = 181

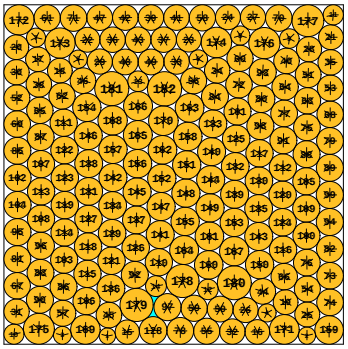
181 circles in a square



sumradii = 7.120861487462 density = 0.889705992667
sumperim = 44.741692272482 contacts = 543

N = 182

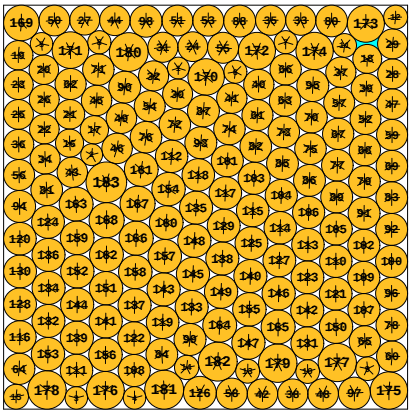
182 circles in a square



sumradii = 7.139578643795 density = 0.889613114531
sumperim = 44.859295634146 contacts = 546

N = 183

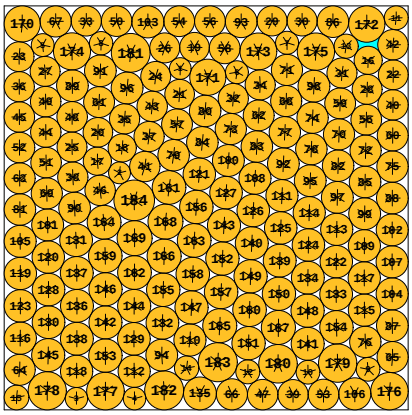
183 circles in a square



sumradii = 7.159431755691 density = 0.889263761097
sumperim = 44.984036415113 contacts = 549

N = 184

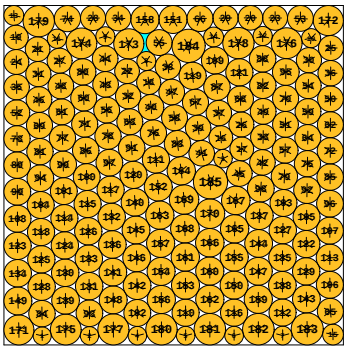
184 circles in a square



sumradii = 7.178776091340 density = 0.889124428191
sumperim = 45.105580460640 contacts = 552

N = 185

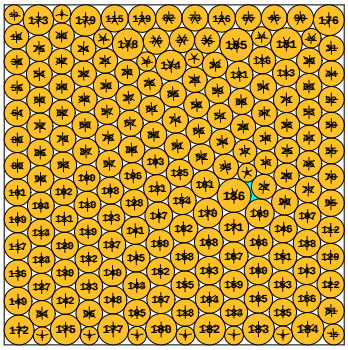
185 circles in a square



sumradii = 7.198651480801 density = 0.889597132181
sumperim = 45.230461215678 contacts = 555

N = 186

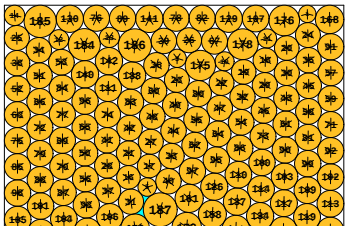
186 circles in a square



sumradii = 7.218614363504 density = 0.889683830896
sumperim = 45.355891706962 contacts = 558

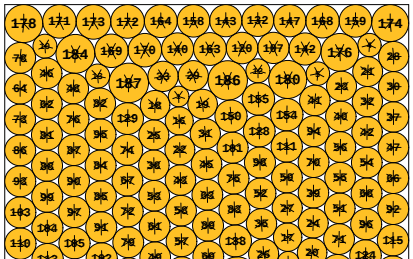
N = 187

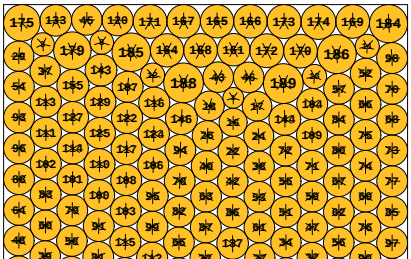
187 circles in a square



N = 188

188 circles in a square



N = 189

189 circles in a square