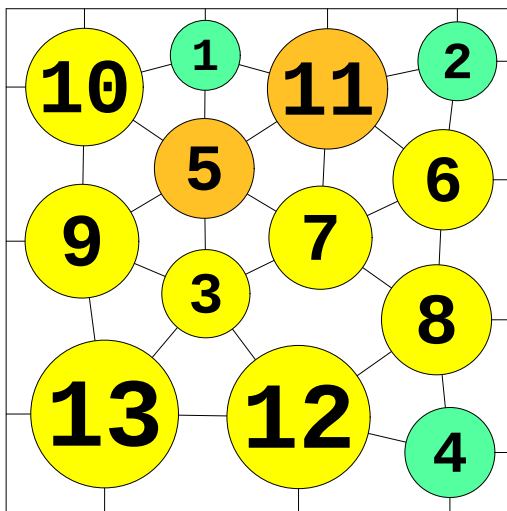
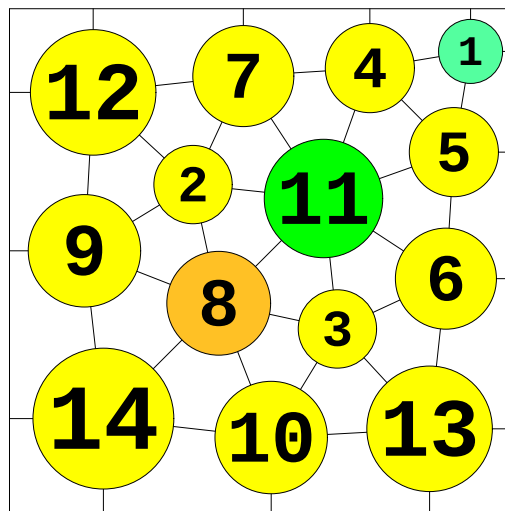


N = 13
13 circles in a square



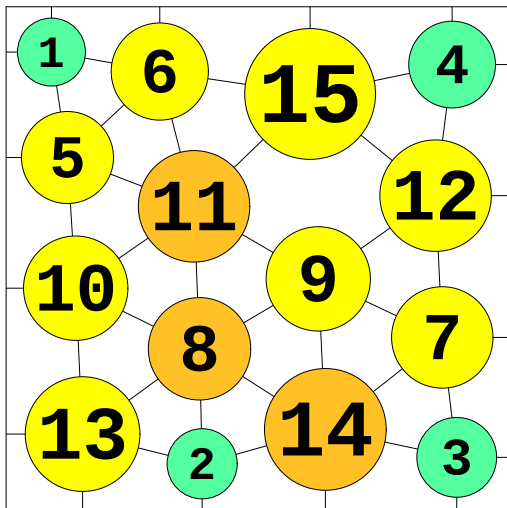
sumradii = 1.829542411692 density = 0.843172230057 © E. Secor
sumperim = 11.495354000005 contacts = 39 03-SEP-2020

N = 14
14 circles in a square



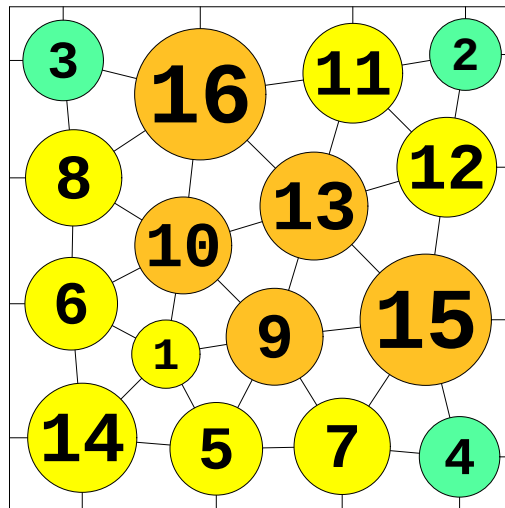
sumradii = 1.905667205293 density = 0.847885561040 © E. Secor
sumperim = 11.973660184671 contacts = 43 03-SEP-2020

N = 15
15 circles in a square



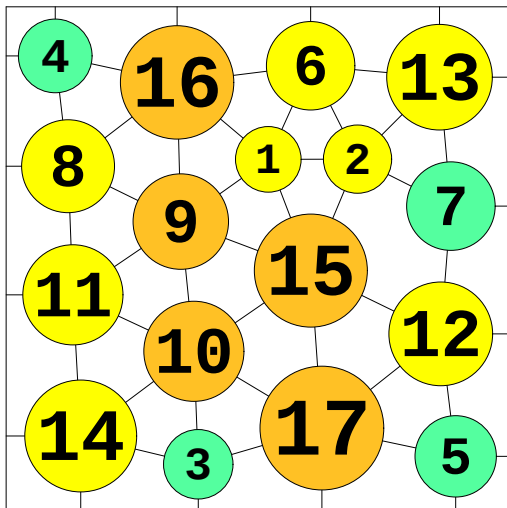
sumradii = 1.980266508444 density = 0.846184875220 © E. Secor
sumperim = 12.442381430155 contacts = 45 03-SEP-2020

N = 16
16 circles in a square



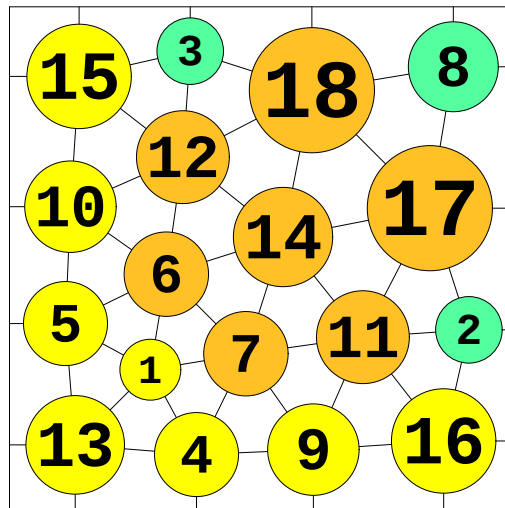
sumradii = 2.053080418439 density = 0.853389973899 © E. Secor
sumperim = 12.899884719594 contacts = 49 03-SEP-2020

N = 17
17 circles in a square



sumradii = 2.111185327830 density = 0.850943221106 © E. Secor
sumperim = 13.264968632555 contacts = 51 03-SEP-2020

N = 18
18 circles in a square



sumradii = 2.178530295972 density = 0.856434344552 © E. Secor
sumperim = 13.688109546897 contacts = 55 03-SEP-2020