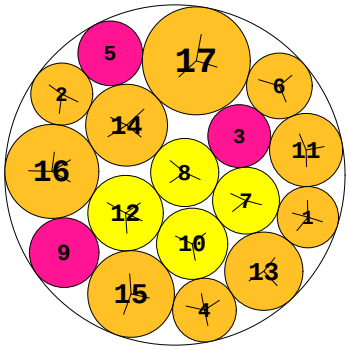
N = 17

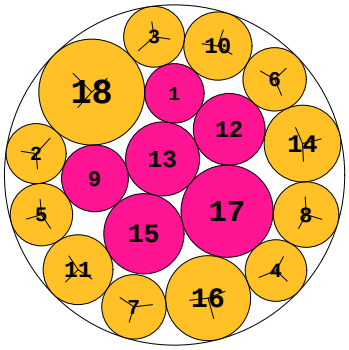
17 circles in a circle



radius = 0.317245884377 density = 0.820069830754
ratio = 3.152129150431 contacts = 28

N = 18

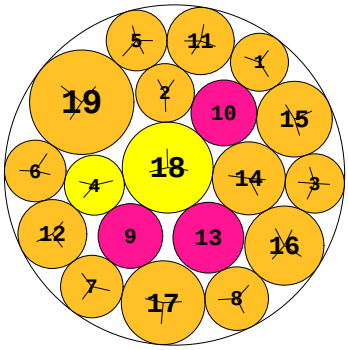
18 circles in a circle



radius = 0.311059940079 density = 0.818845406873
ratio = 3.214823783115 contacts = 24

N = 19

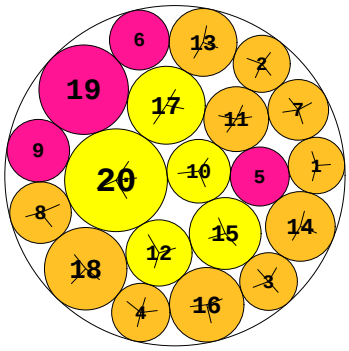
19 circles in a circle



radius = 0.306811260790 density = 0.825623556098
ratio = 3.259332781414 contacts = 32

N = 20

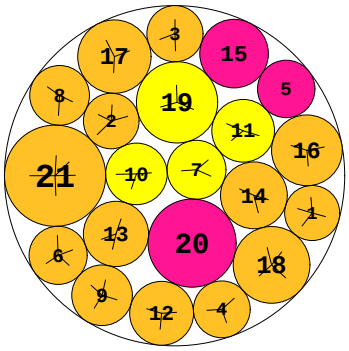
20 circles in a circle



radius = 0.301947772922 density = 0.827163434919
ratio = 3.311831017406 contacts = 32

N = 21

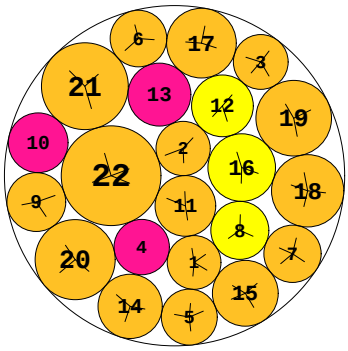
21 circles in a circle



radius = 0.297477939503 density = 0.829038291967
ratio = 3.361593809854 contacts = 36

N = 22

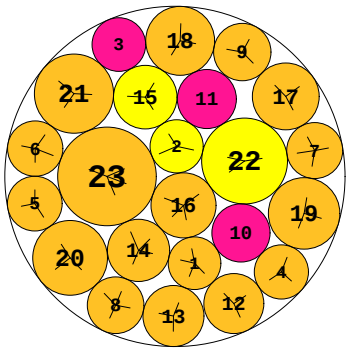
22 circles in a circle



radius = 0.293130379095 density = 0.829937734852
ratio = 3.411451256217 contacts = 38

N = 23

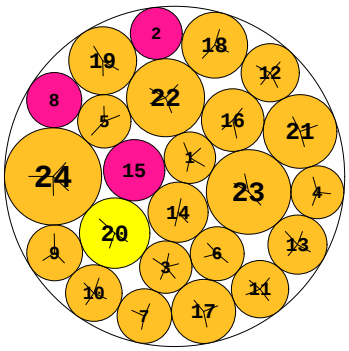
23 circles in a circle



radius = 0.289843532601 density = 0.835398274496
ratio = 3.450137358688 contacts = 40

N = 24

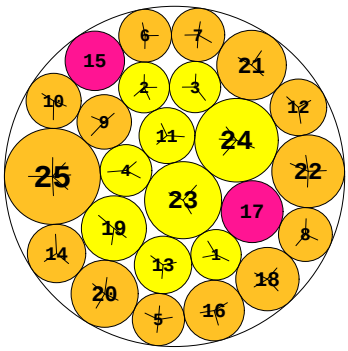
24 circles in a circle



radius = 0.285509511921 density = 0.833465931658
ratio = 3.502510278108 contacts = 42

N = 25

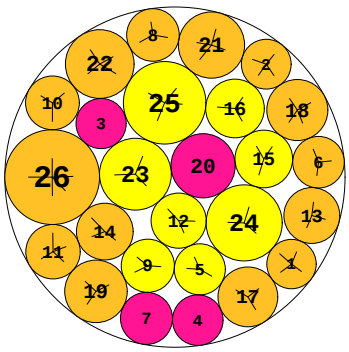
25 circles in a circle



radius = 0.282067906970 density = 0.835448308102
ratio = 3.545245578419 contacts = 46

N = 26

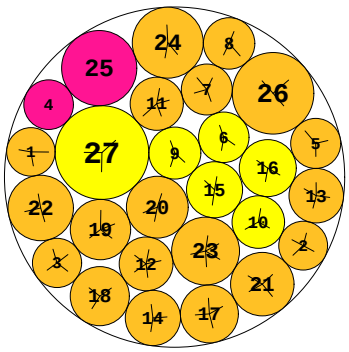
26 circles in a circle



radius = 0.278463588511 density = 0.835298003058
ratio = 3.591133782865 contacts = 44

N = 27

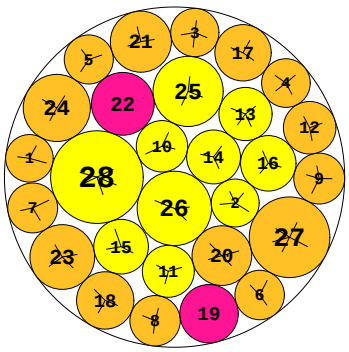
27 circles in a circle



radius = 0.275278312568 density = 0.836574520840
ratio = 3.632687190903 contacts = 50

N = 28

28 circles in a circle



radius = 0.272186808157 density = 0.837427372283
ratio = 3.673947340688 contacts = 52