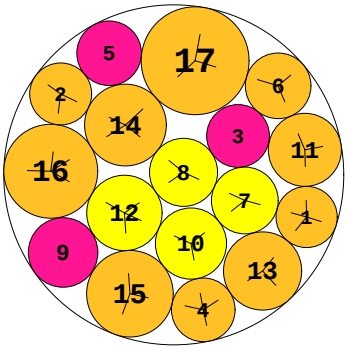
N = 17

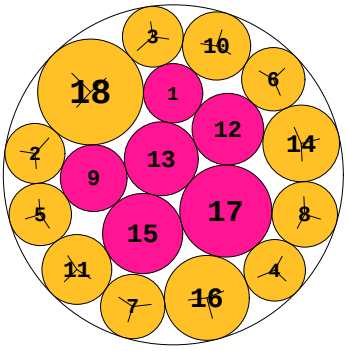
17 circles in a circle



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

N = 18

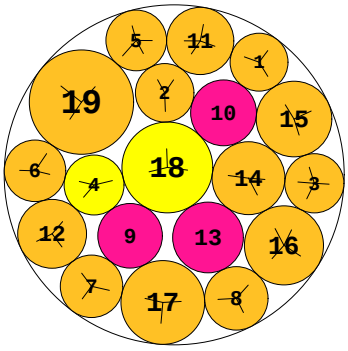
18 circles in a circle



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

N = 19

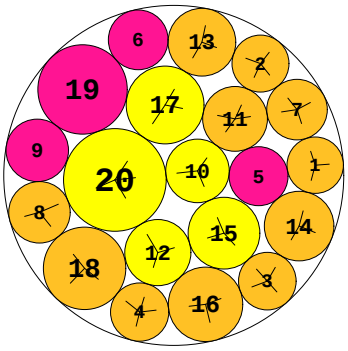
19 circles in a circle



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

N = 20

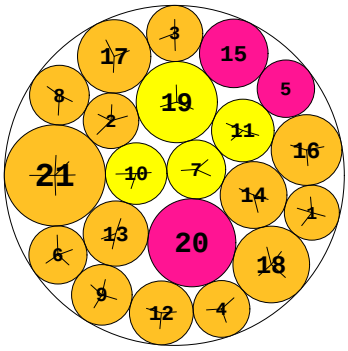
20 circles in a circle



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

N = 21

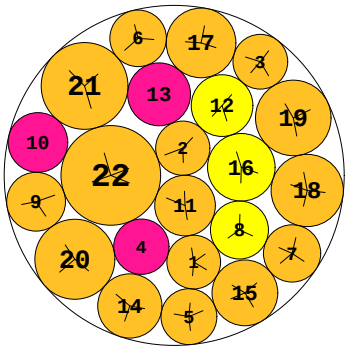
21 circles in a circle



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

N = 22

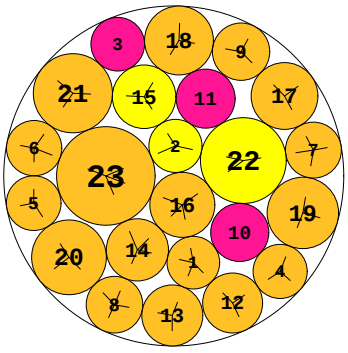
22 circles in a circle



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

N = 23

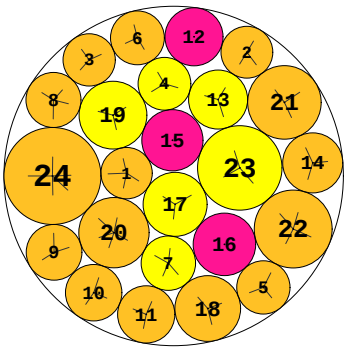
23 circles in a circle



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

N = 24

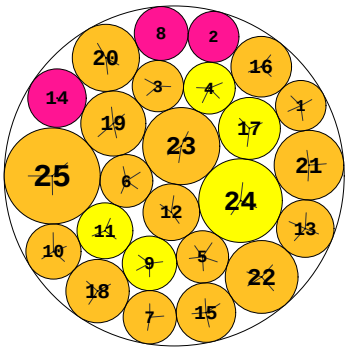
24 circles in a circle



radius = 0.285778774990 density = 0.835038750854
ratio = 3.499210184644 contacts = 42

N = 25

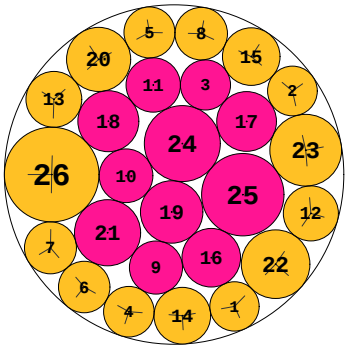
25 circles in a circle



radius = 0.282415234076 density = 0.837507049914
ratio = 3.540885474088 contacts = 44

N = 26

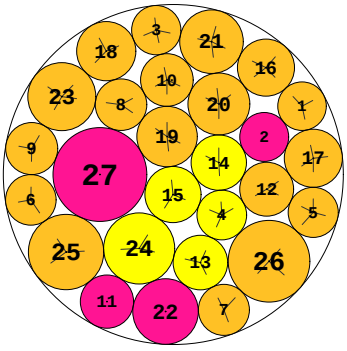
26 circles in a circle



radius = 0.278794617379 density = 0.837285136140
ratio = 3.586869823387 contacts = 30

N = 27

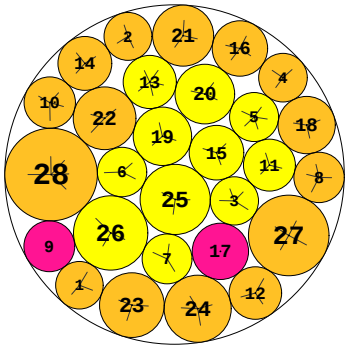
27 circles in a circle



radius = 0.275927749611 density = 0.840526473015
ratio = 3.624137120712 contacts = 46

N = 28

28 circles in a circle



radius = 0.272685619729 density = 0.840499536021
ratio = 3.667226753624 contacts = 52