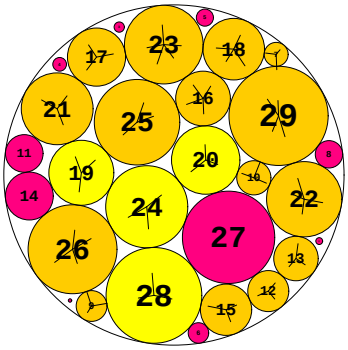
N = 29

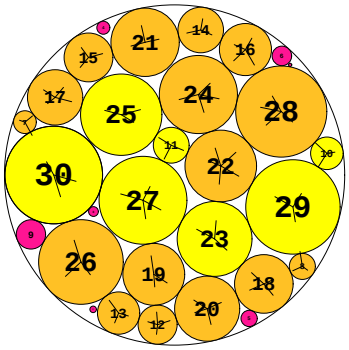
29 circles in a circle



radius = 0.291506764758 density = 0.864413006912
ratio = 99.4831111563645 contacts = 38

N = 30

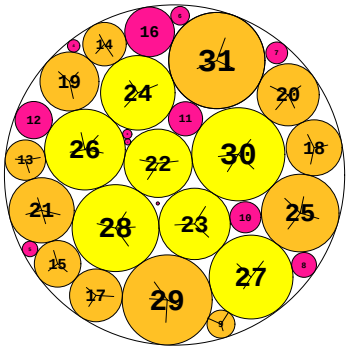
30 circles in a circle



radius = 0.286970495601 density = 0.865154197601
ratio = 104.5403637655188 contacts = 46

N = 31

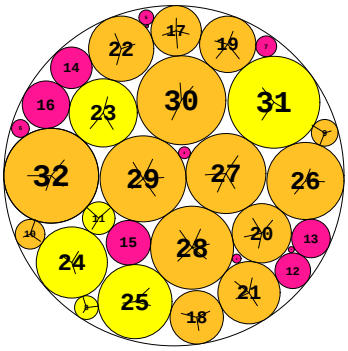
31 circles in a circle



radius = 0.282771273549 density = 0.866658816021
ratio = 109.629240661102 contacts = 38

N = 32

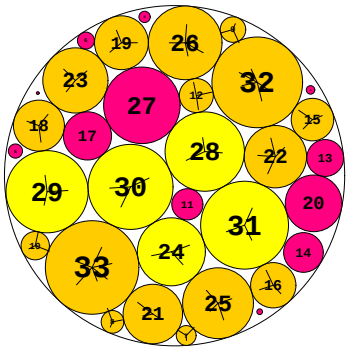
32 circles in a circle



radius = 0.278746094616 density = 0.868047819745
ratio = 114.799814663028 contacts = 40

N = 33

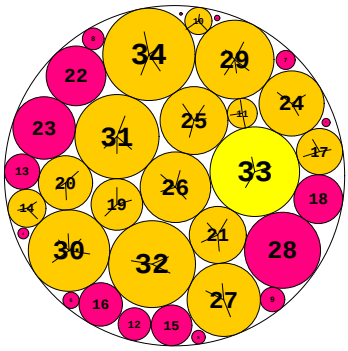
33 circles in a circle



radius = 0.274849612282 density = 0.869118084589
ratio = 129.065659638342 contacts = 42

N = 34

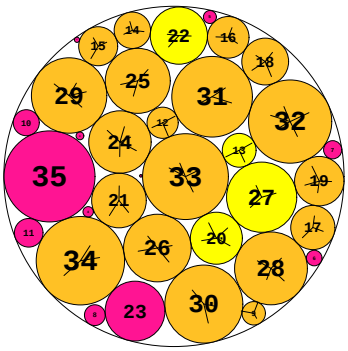
34 circles in a circle



radius = 0.271203877318 density = 0.870720473134
ratio = 125.366939205545 contacts = 34

N = 35

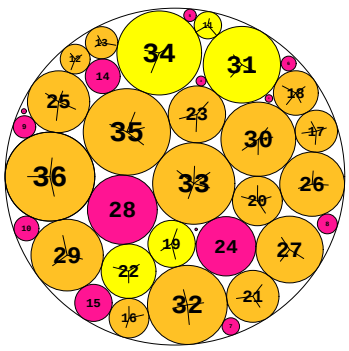
35 circles in a circle



radius = 0.267483732649 density = 0.870835860590
ratio = 130.849078758720 contacts = 46

N = 36

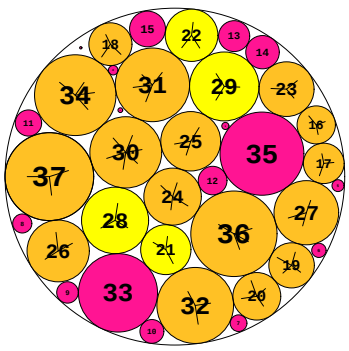
36 circles in a circle



radius = 0.264107928757 density = 0.872235405952
ratio = 136.307910820385 contacts = 44

N = 37

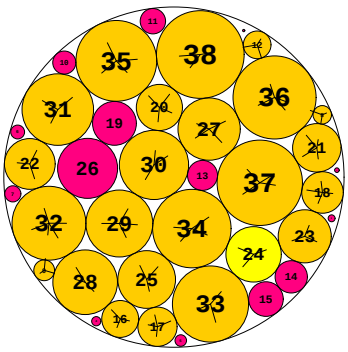
37 circles in a circle



radius = 0.260960824666 density = 0.874263843374
ratio = 141.783733429755 contacts = 40

N = 38

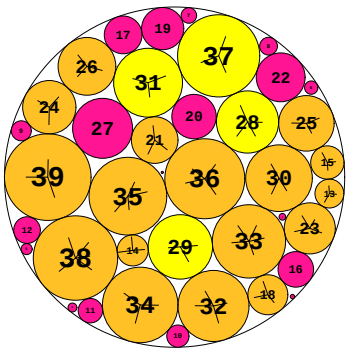
38 circles in a circle



radius = 0.257710780360 density = 0.874753436319
ratio = 147.452116465123 contacts = 48

N = 39

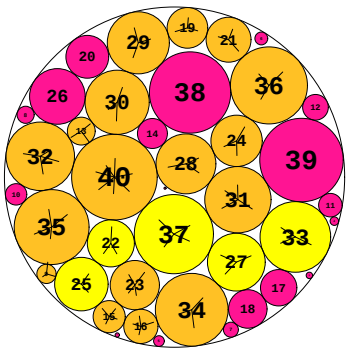
39 circles in a circle



radius = 0.254569617068 density = 0.875153761502
ratio = 153.199743352065 contacts = 42

N = 40

40 circles in a circle



radius = 0.251538192314 density = 0.875518858092
ratio = 159.021576930204 contacts = 44