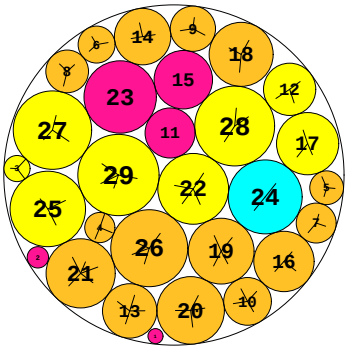
N = 29

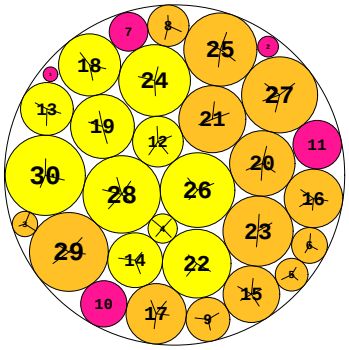
29 circles in a circle



radius = 0.238837957153 density = 0.855653546658
ratio = 22.547357510996 contacts = 47

N = 30

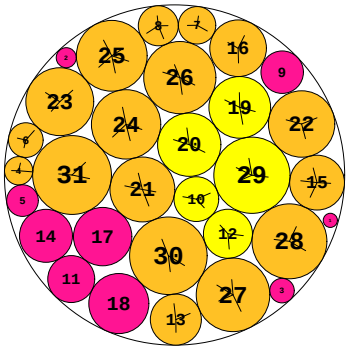
30 circles in a circle



radius = 0.235491675883 density = 0.859573105858
ratio = 23.256880182705 contacts = 50

N = 31

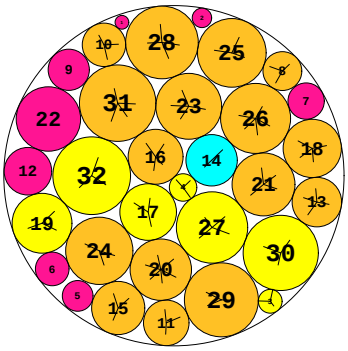
31 circles in a circle



radius = 0.231630460370 density = 0.858442722740
ratio = 24.037271928465 contacts = 44

N = 32

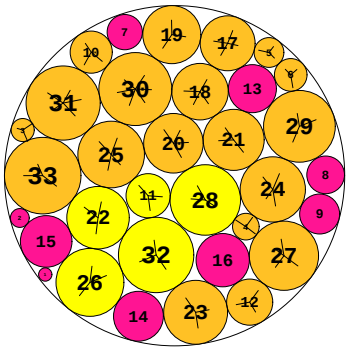
32 circles in a circle



radius = 0.228264554437 density = 0.859727662402
ratio = 24.782009030914 contacts = 47

N = 33

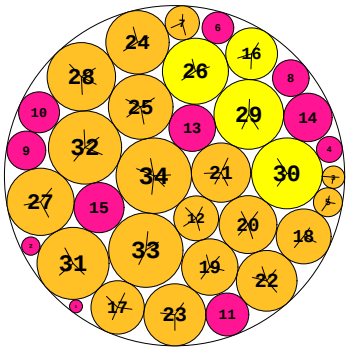
33 circles in a circle



radius = 0.224881347177 density = 0.859717545236
ratio = 25.544860517157 contacts = 48

N = 34

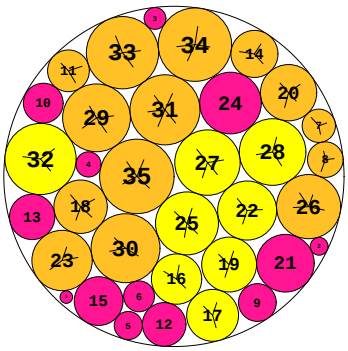
34 circles in a circle



radius = 0.221670493173 density = 0.859911632008
ratio = 26.304592060919 contacts = 46

N = 35

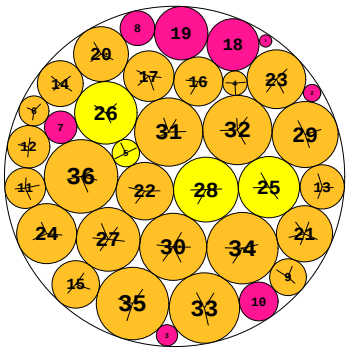
35 circles in a circle



radius = 0.218839928912 density = 0.862036460749
ratio = 27.033822449682 contacts = 44

N = 36

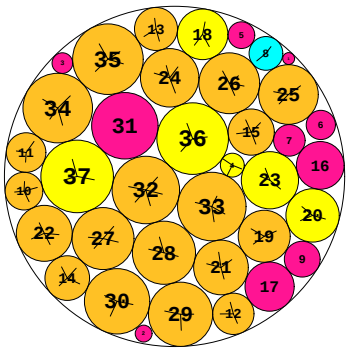
36 circles in a circle



radius = 0.215983054876 density = 0.863000579879
ratio = 27.779571056565 contacts = 56

N = 37

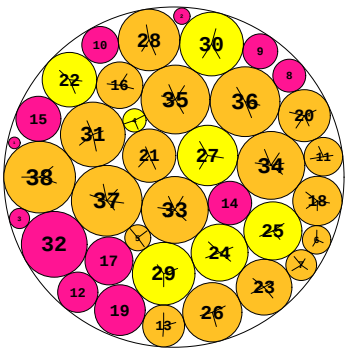
37 circles in a circle



radius = 0.213256125794 density = 0.864085328584
ratio = 28.523272227948 contacts = 54

N = 38

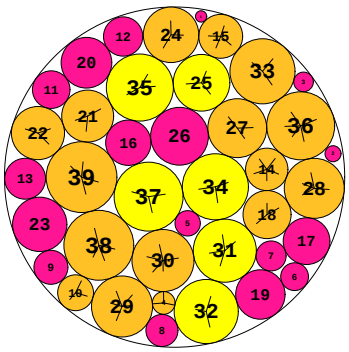
38 circles in a circle



radius = 0.210532132643 density = 0.864313688063
ratio = 29.280157501827 contacts = 52

N = 39

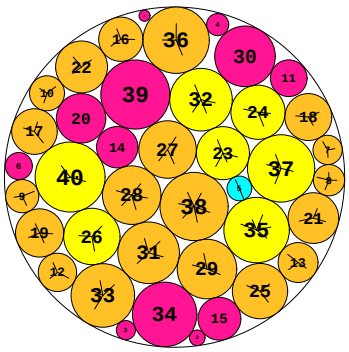
39 circles in a circle



radius = 0.207989733714 density = 0.865194586605
ratio = 30.025510811972 contacts = 44

N = 40

40 circles in a circle



radius = 0.205621450745 density = 0.866743710637
ratio = 30.758246755910 contacts = 56