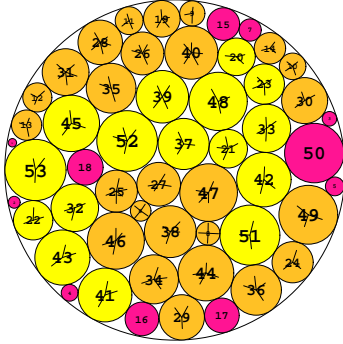


N = 53

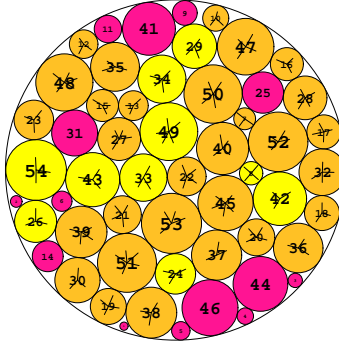
53 circles in a circle



radius = 0.179801594383 density = 0.872872562249
 ratio = 40.469684834423 contacts = 84

N = 54

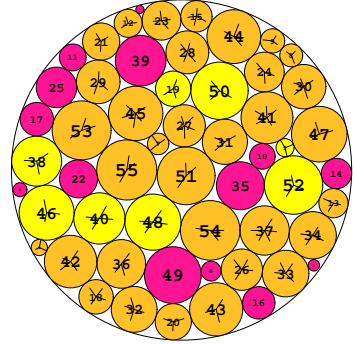
54 circles in a circle



radius = 0.178206008185 density = 0.873327987209
 ratio = 41.235810751907 contacts = 80

N = 55

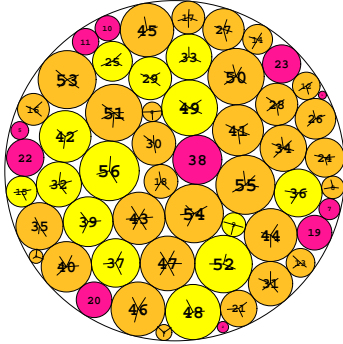
55 circles in a circle



radius = 0.176648860670 density = 0.873734959332
 ratio = 41.982713383768 contacts = 82

N = 56

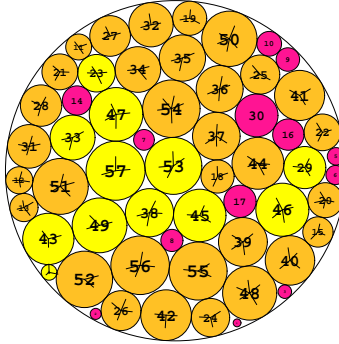
56 circles in a circle



radius = 0.175133045703 density = 0.874140135372
 ratio = 42.729333286670 contacts = 90

N = 57

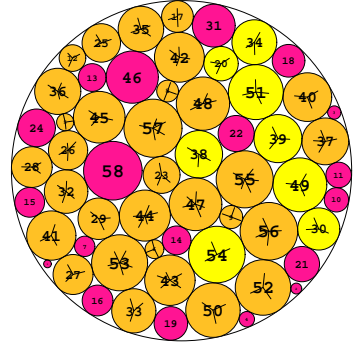
57 circles in a circle



radius = 0.173386194829 density = 0.873530826117
 ratio = 43.500906526119 contacts = 88

N = 58

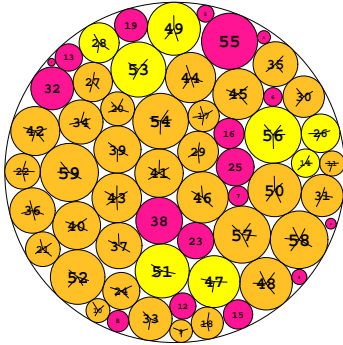
58 circles in a circle



radius = 0.172217052158 density = 0.874932035096
 ratio = 44.221945564733 contacts = 78

N = 59

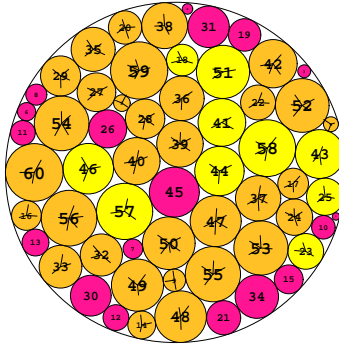
59 circles in a circle



radius = 0.170758308727 density = 0.874751999978
 ratio = 44.982559297618 contacts = 82

N = 60

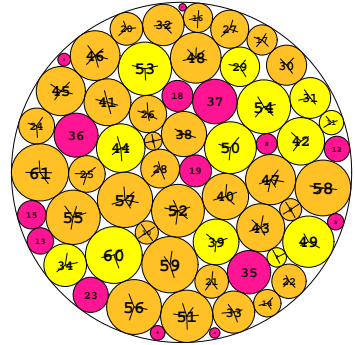
60 circles in a circle



radius = 0.169473802703 density = 0.876001778983
 ratio = 45.7059802687925 contacts = 84

N = 61

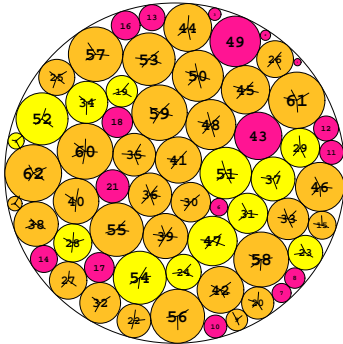
61 circles in a circle



radius = 0.168064732481 density = 0.875618383418
 ratio = 46.471675292149 contacts = 92

N = 62

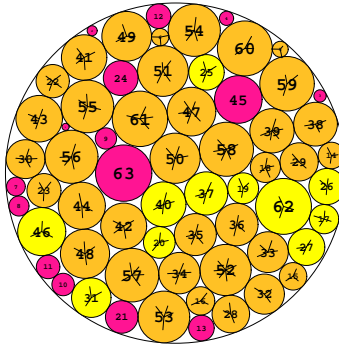
62 circles in a circle



radius = 0.166896335797 density = 0.876992659963
 ratio = 47.150343935063 contacts = 90

N = 63

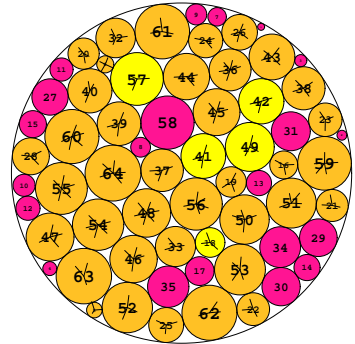
63 circles in a circle



radius = 0.165496037411 density = 0.876446028760
 ratio = 47.960386089074 contacts = 94

N = 64

64 circles in a circle



radius = 0.164253152264 density = 0.876820685927
 ratio = 48.705305741485 contacts = 96