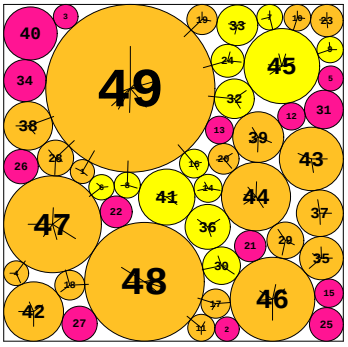
N = 49

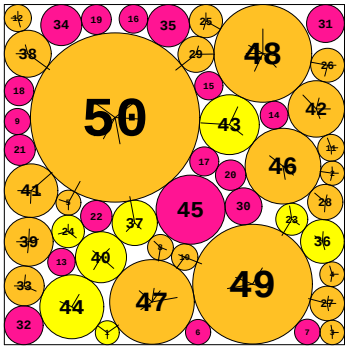
49 circles in a square



radius = 0.249107933584 density = 0.873224602362
ratio = 28.100269223234 contacts = 71

N = 50

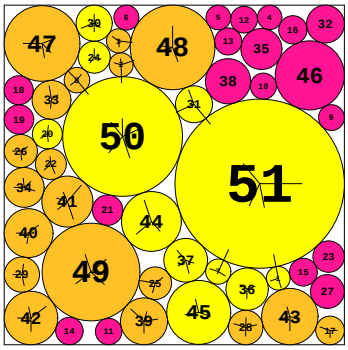
50 circles in a square



radius = 0.248750603207 density = 0.874609060516
ratio = 28.426334329322 contacts = 63

N = 51

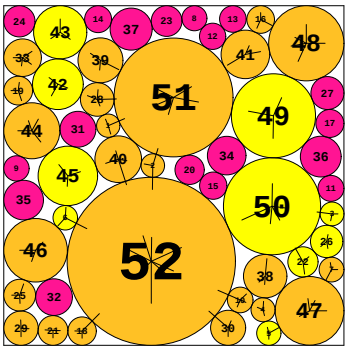
51 circles in a square



radius = 0.248950250362 density = 0.879831272507
ratio = 28.686166886178 contacts = 63

N = 52

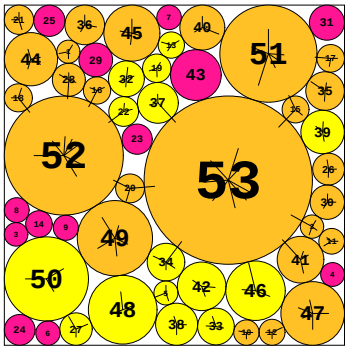
52 circles in a square



radius = 0.247377421227 density = 0.872446261967
ratio = 29.150205033172 contacts = 69

N = 53

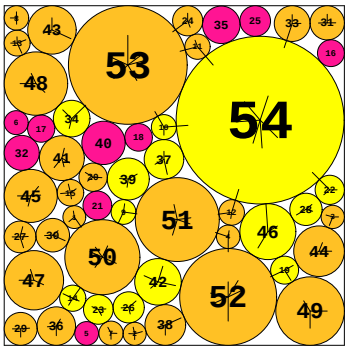
53 circles in a square



radius = 0.247322464448 density = 0.875684441213
ratio = 29.435700089246 contacts = 81

N = 54

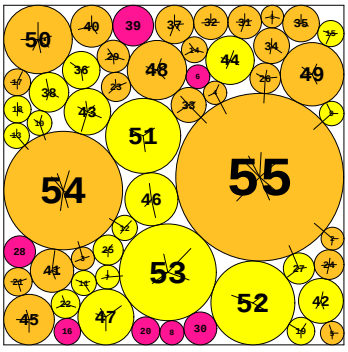
54 circles in a square



radius = 0.246877254505 density = 0.876080438829
ratio = 29.765679476831 contacts = 89

N = 55

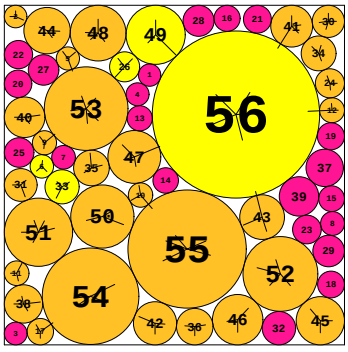
55 circles in a square



radius = 0.246682346262 density = 0.878173531873
ratio = 30.063758515152 contacts = 97

N = 56

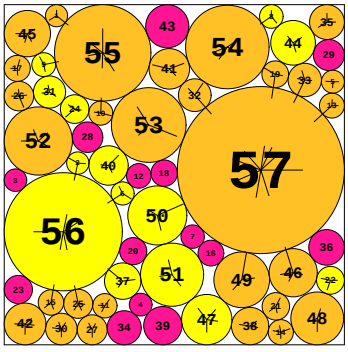
56 circles in a square



radius = 0.245989156368 density = 0.876639682403
ratio = 30.421319719439 contacts = 69

N = 57

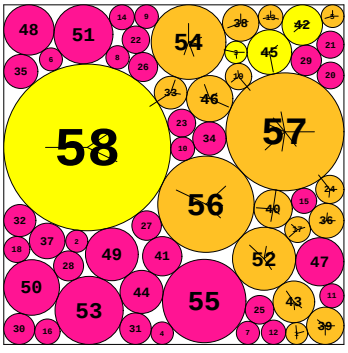
57 circles in a square



radius = 0.245504728889 density = 0.876512304319
ratio = 30.752297391279 contacts = 87

N = 58

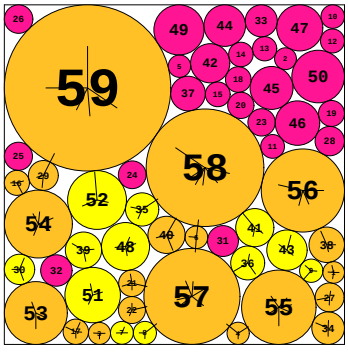
58 circles in a square



radius = 0.245395598509 density = 0.878995018544
ratio = 31.034676869153 contacts = 43

N = 59

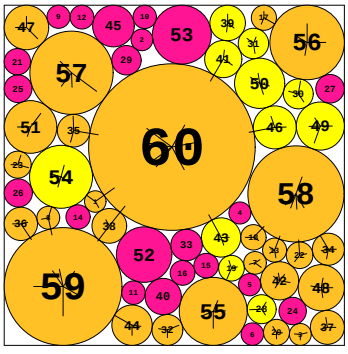
59 circles in a square



radius = 0.244687796991 density = 0.877119741020
ratio = 31.391617575078 contacts = 65

N = 60

60 circles in a square



radius = 0.244790910583 density = 0.880996688207
ratio = 31.643195718458 contacts = 77