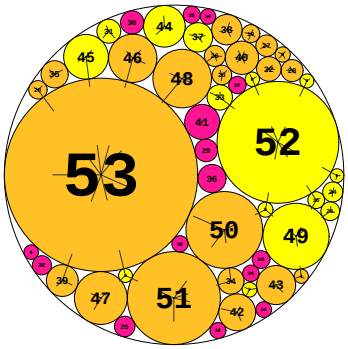
N = 53

53 circles in a circle



radius = 0.569518486291 density = 0.909733229875
ratio = 1.755869254593 contacts = 76

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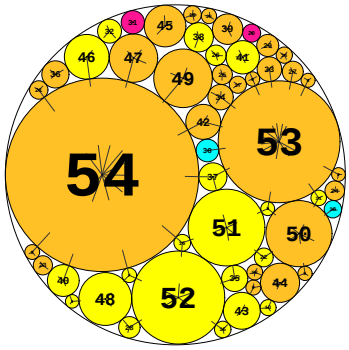
N = 54

54 circles in a circle



radius = 0.568802982762 density = 0.909033946110
ratio = 1.758077981843 contacts = 103

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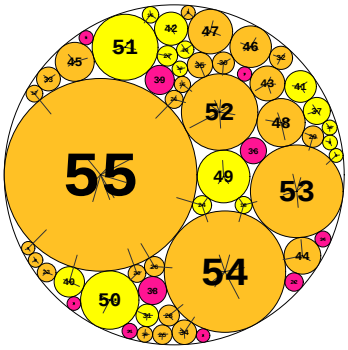
N = 55

55 circles in a circle



radius = 0.566764688652 density = 0.904066364552
ratio = 1.764400676370 contacts = 90

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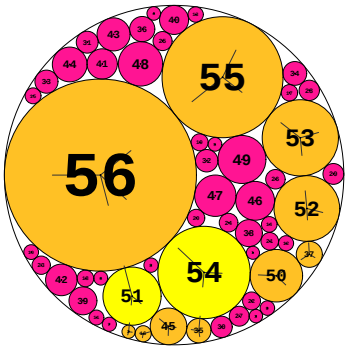
N = 56

56 circles in a circle



radius = 0.565825268211 density = 0.902566175641
ratio = 1.767330050779 contacts = 24

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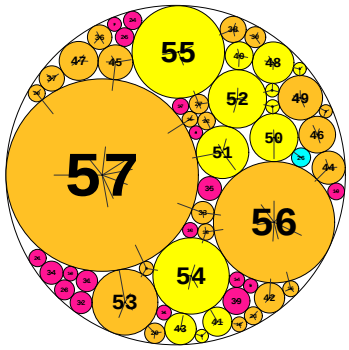
N = 57

57 circles in a circle



radius = 0.566912728514 density = 0.907503891141
ratio = 1.763939932379 contacts = 76

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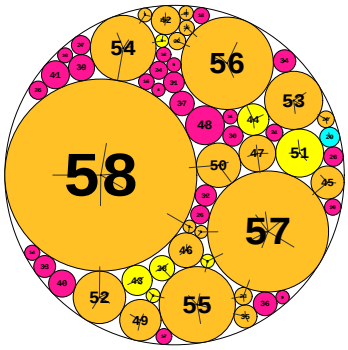
N = 58

58 circles in a circle



radius = 0.565718980668 density = 0.905111544019
ratio = 1.767662097564 contacts = 59

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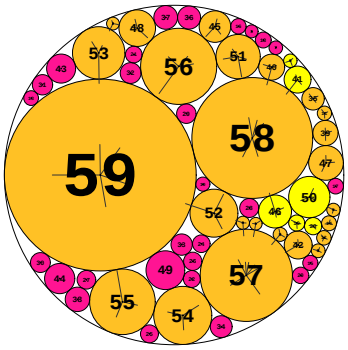
N = 59

59 circles in a circle



radius = 0.565121714842 density = 0.904591810531
ratio = 1.769536304245 contacts = 62

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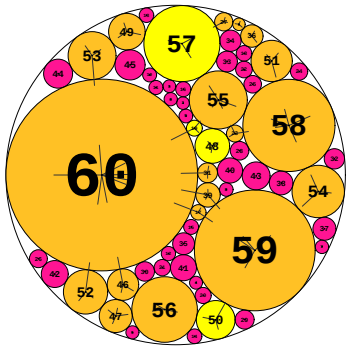
N = 60

60 circles in a circle



radius = 0.564730740442 density = 0.904698309482
ratio = 1.770755385509 contacts = 46

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