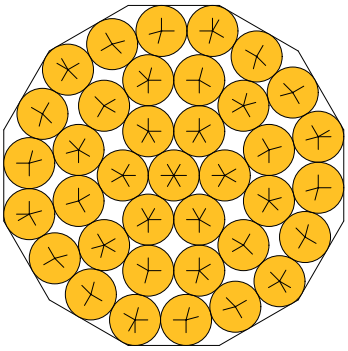
N = 37

37 circles in a dodecagon



radius = 0.144948974278 density = 0.814067908960
ratio = 6.898979485564 contacts = 96

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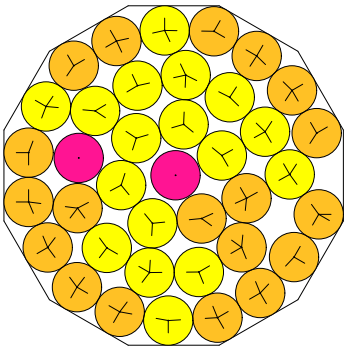
N = 38

38 circles in a dodecagon



radius = 0.140383736593 density = 0.784234258817
ratio = 7.123332262458 contacts = 73

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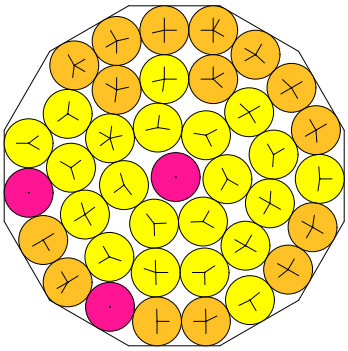
N = 39

39 circles in a dodecagon



radius = 0.138883550489 density = 0.787761670741
ratio = 7.200276753287 contacts = 74

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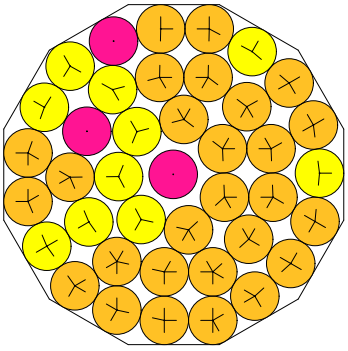
N = 40

40 circles in a dodecagon



radius = 0.137850626782 density = 0.795987228335
ratio = 7.254228895044 contacts = 80

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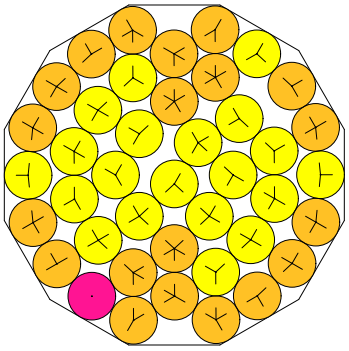
N = 41

41 circles in a dodecagon



radius = 0.135307358781 density = 0.786059295811
ratio = 7.390581037205 contacts = 81

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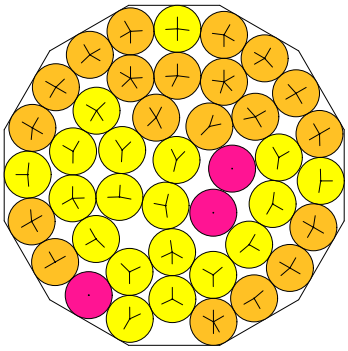
N = 42

42 circles in a dodecagon



radius = 0.133407914534 density = 0.782782483546
ratio = 7.495807152774 contacts = 80

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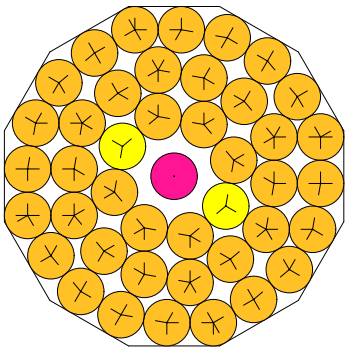
N = 43

43 circles in a dodecagon



radius = 0.132361398066 density = 0.788896020007
ratio = 7.555072812833 contacts = 100

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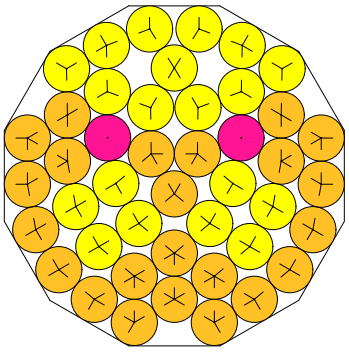
N = 44

44 circles in a dodecagon



radius = 0.131244741439 density = 0.793679417173
ratio = 7.619352890133 contacts = 90

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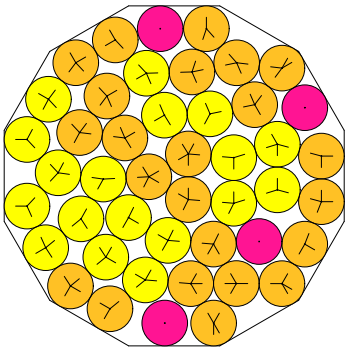
N = 45

45 circles in a dodecagon



radius = 0.129552456718 density = 0.790919781479
ratio = 7.718881025780 contacts = 85

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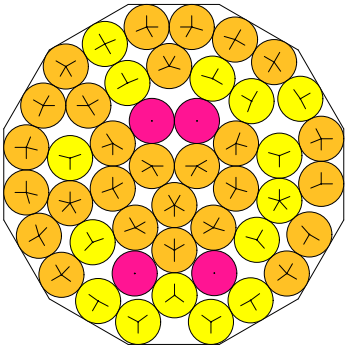
N = 46

46 circles in a dodecagon



radius = 0.128119564827 density = 0.790710233205
ratio = 7.805209152484 contacts = 88

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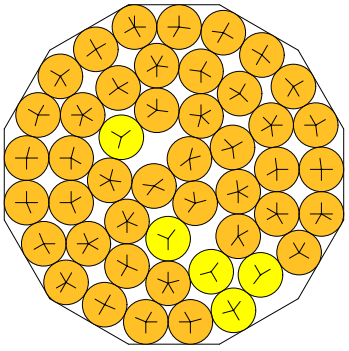
N = 47

47 circles in a dodecagon



radius = 0.126888271657 density = 0.792445565992
ratio = 7.880949018700 contacts = 110

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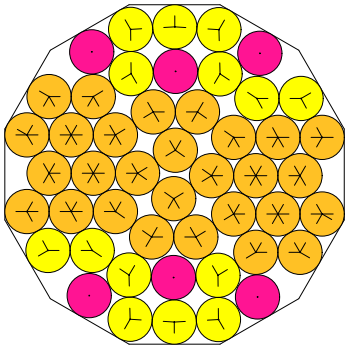
N = 48

48 circles in a dodecagon



radius = 0.125894723452 density = 0.796681828928
ratio = 7.943144657511 contacts = 94

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