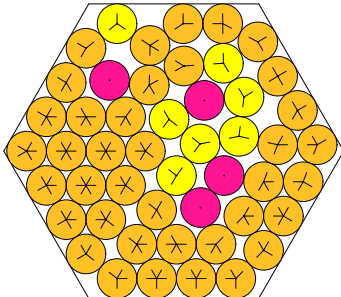


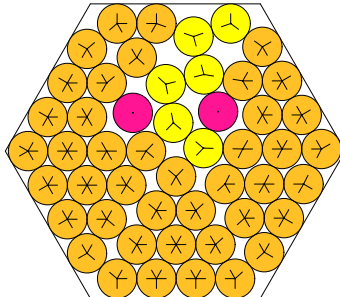
N = 49
49 circles in a hexagon



radius = 0.116441613111 density = 0.803360534217
ratio = 8.587995075653 contacts = 105

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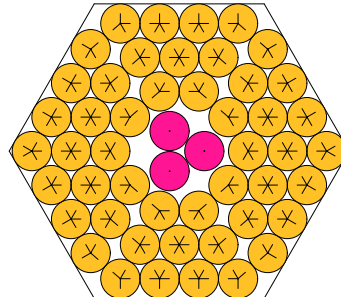
N = 50
50 circles in a hexagon



radius = 0.115694712296 density = 0.809272930292
ratio = 8.643437349601 contacts = 118

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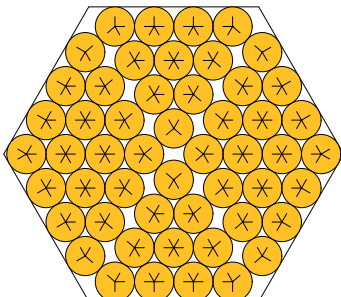
N = 51
51 circles in a hexagon



radius = 0.115386056418 density = 0.821059865157
ratio = 8.666558430415 contacts = 128

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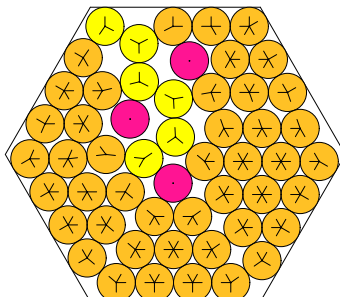
N = 52
52 circles in a hexagon



radius = 0.115386056418 density = 0.837159078200
ratio = 8.666558430413 contacts = 142

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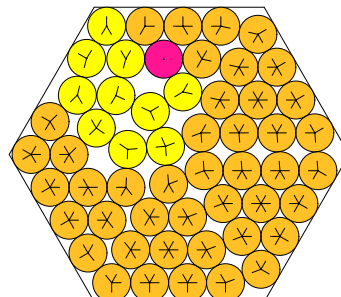
N = 53
53 circles in a hexagon



radius = 0.112253527371 density = 0.807558233841
ratio = 8.908406028958 contacts = 121

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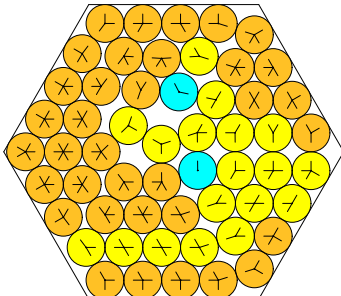
N = 54
54 circles in a hexagon



radius = 0.111600904574 density = 0.813255811881
ratio = 8.960500847374 contacts = 128

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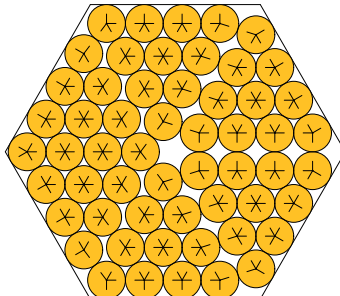
N = 55
55 circles in a hexagon



radius = 0.111119395932 density = 0.821183887407
ratio = 8.999328979559 contacts = 115

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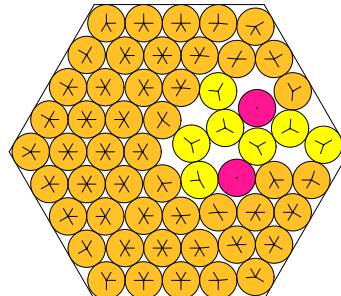
N = 56
56 circles in a hexagon



radius = 0.111119069712 density = 0.836109594295
ratio = 8.999355399459 contacts = 149

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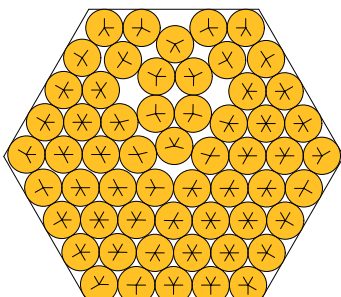
N = 57
57 circles in a hexagon



radius = 0.109704794905 density = 0.829514652236
ratio = 9.115371856519 contacts = 137

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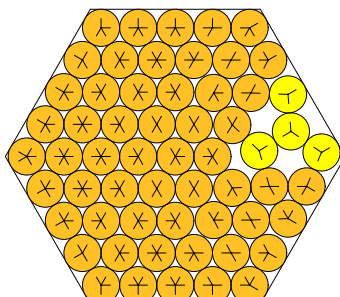
N = 58
58 circles in a hexagon



radius = 0.109491615458 density = 0.840790327271
ratio = 9.133119424879 contacts = 149

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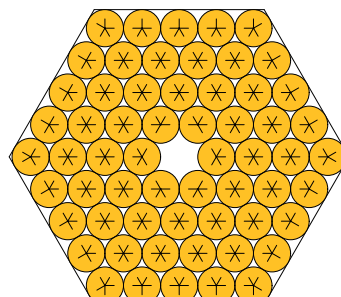
N = 59
59 circles in a hexagon



radius = 0.109239712177 density = 0.851355786751
ratio = 9.154180105997 contacts = 146

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N = 60
60 circles in a hexagon



radius = 0.109233502047 density = 0.865687111165
ratio = 9.154700538375 contacts = 180

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