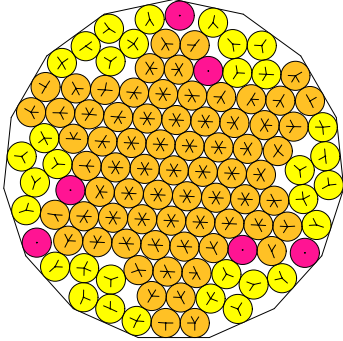


N = 109

109 circles in a pentadecagon

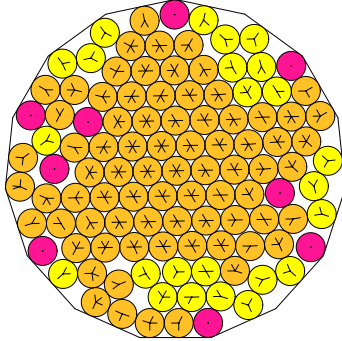


radius = 0.085128375468 density = 0.813486778290
 ratio = 11.746964446390 contacts = 234

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N = 110

110 circles in a pentadecagon

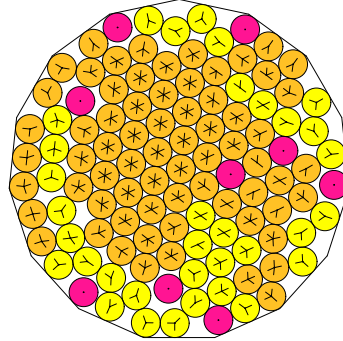


radius = 0.084769612774 density = 0.814044962539
 ratio = 11.796680051646 contacts = 219

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N = 111

111 circles in a pentadecagon

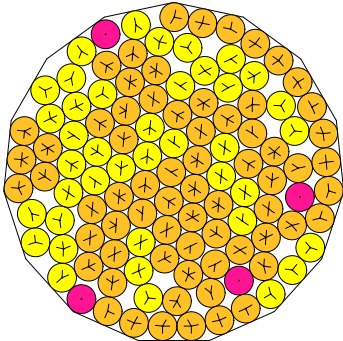


radius = 0.084448948050 density = 0.815242432836
 ratio = 11.841473731671 contacts = 223

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N = 112

112 circles in a pentadecagon

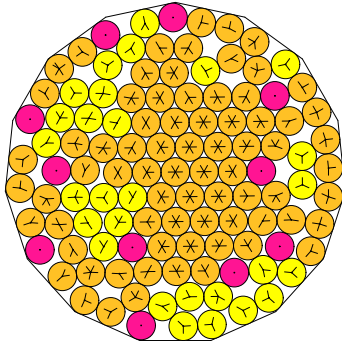


radius = 0.08411857401 density = 0.816421223735
 ratio = 11.886103914640 contacts = 218

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N = 113

113 circles in a pentadecagon

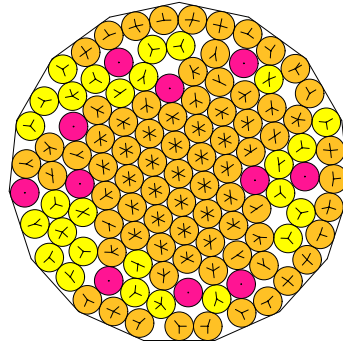


radius = 0.083797734968 density = 0.817181098294
 ratio = 11.933496775046 contacts = 216

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N = 114

114 circles in a pentadecagon

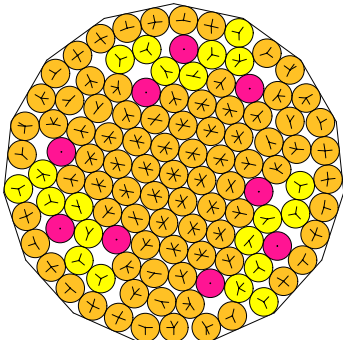


radius = 0.083592178637 density = 0.820373171378
 ratio = 11.962841695331 contacts = 222

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N = 115

115 circles in a pentadecagon

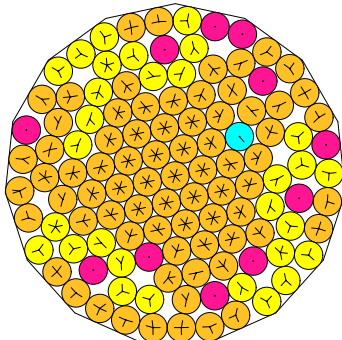


radius = 0.083363173625 density = 0.823041301470
 ratio = 11.995704936180 contacts = 225

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N = 116

116 circles in a pentadecagon

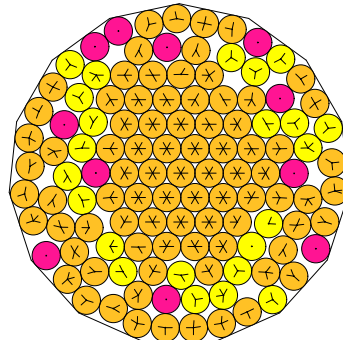


radius = 0.082990713774 density = 0.822796239678
 ratio = 12.049546900710 contacts = 226

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N = 117

117 circles in a pentadecagon

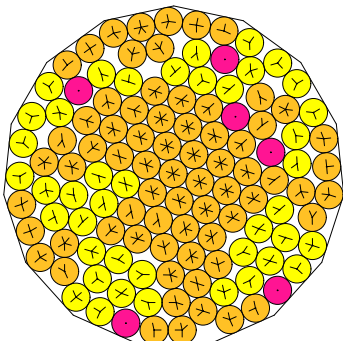


radius = 0.082599267928 density = 0.822079025049
 ratio = 12.106648482977 contacts = 229

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N = 118

118 circles in a pentadecagon

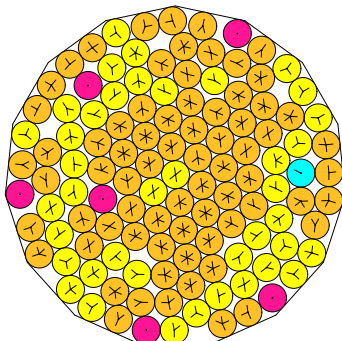


radius = 0.082278809159 density = 0.822684493491
 ratio = 12.153797681554 contacts = 236

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N = 119

119 circles in a pentadecagon

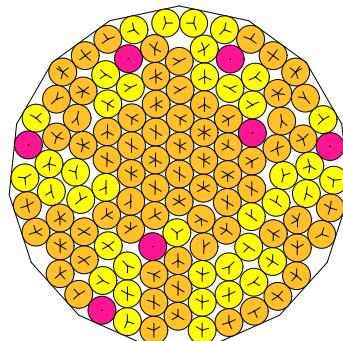


radius = 0.081872296026 density = 0.821478517307
 ratio = 12.214143857958 contacts = 234

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N = 120

120 circles in a pentadecagon



radius = 0.081466768941 density = 0.819793132303
 ratio = 12.279798781810 contacts = 229

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