N = 145
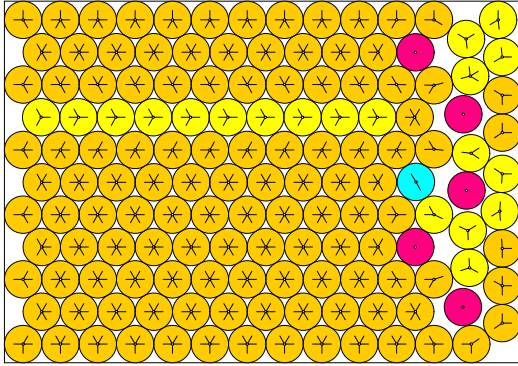
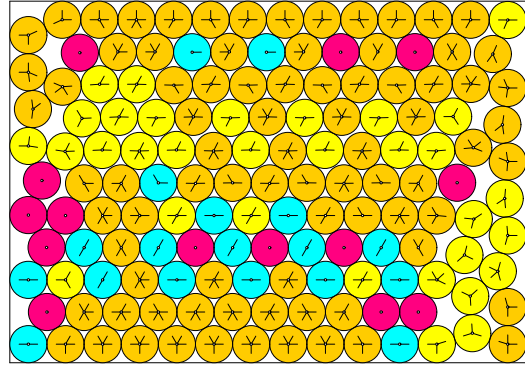**145 circles in a 1x0.70000 rectangle**

radius = 0.036158813501 density = 0.850840545789
ratio = 19.359042297558 contacts = 364

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N = 146

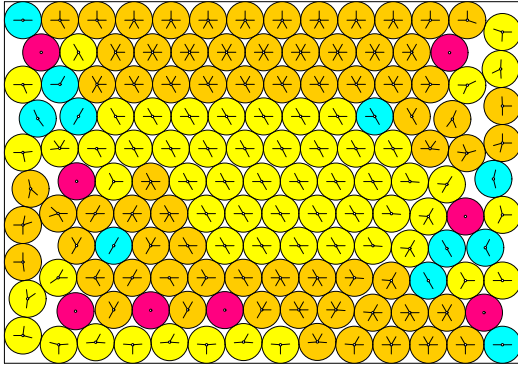**146 circles in a 1x0.70000 rectangle**

radius = 0.035944695150 density = 0.846592268206
ratio = 19.474361851722 contacts = 257

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N = 147

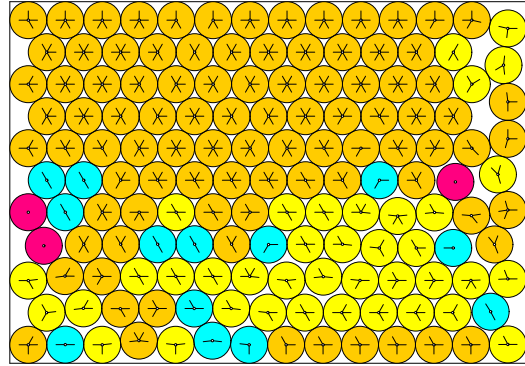**147 circles in a 1x0.70000 rectangle**

radius = 0.035848020820 density = 0.847811949986
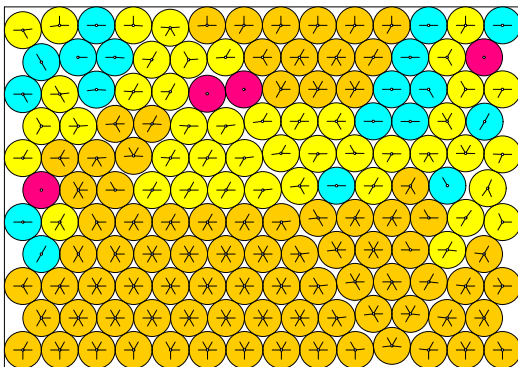ratio = 19.526879978114 contacts = 288

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N = 148

148 circles in a 1x0.70000 rectangle

radius = 0.035778943861 density = 0.850292956400
ratio = 19.564579734999 contacts = 314

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N = 149

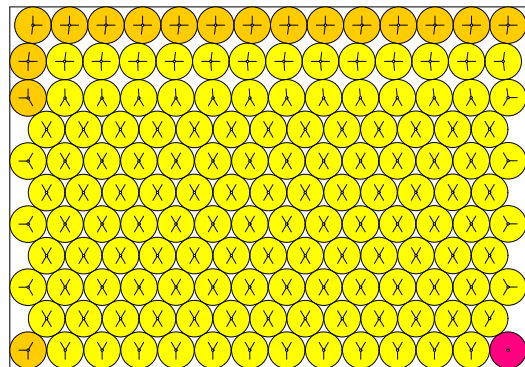**149 circles in a 1x0.70000 rectangle**

radius = 0.035746800529 density = 0.854500763158
ratio = 19.582172100243 contacts = 308

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N = 150

150 circles in a 1x0.70000 rectangle

radius = 0.035379758547 density = 0.842660857826
ratio = 19.785324398921 contacts = 299

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