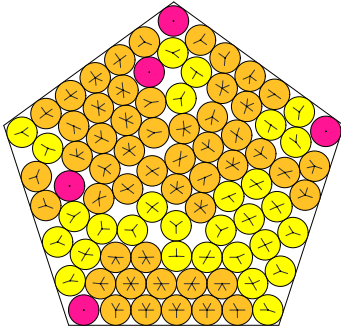


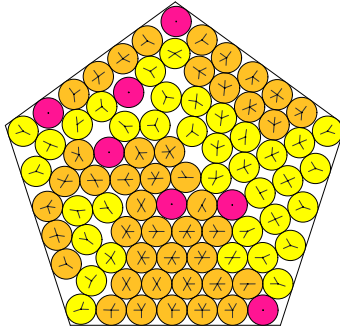
**N = 85**  
85 circles in a pentagon



radius = 0.085105640203 density = 0.813465521529  
ratio = 11.750102550368 contacts = 166

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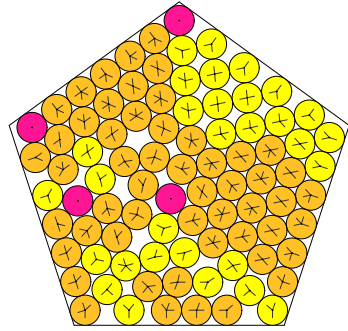
**N = 86**  
86 circles in a pentagon



radius = 0.084693665494 density = 0.815086778108  
ratio = 11.807258478745 contacts = 162

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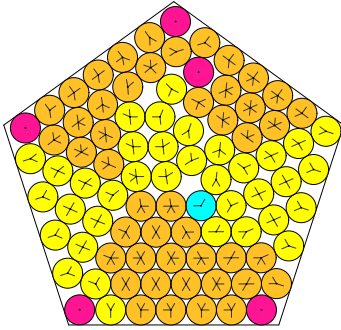
**N = 87**  
87 circles in a pentagon



radius = 0.084335358917 density = 0.817955377425  
ratio = 11.854864368959 contacts = 173

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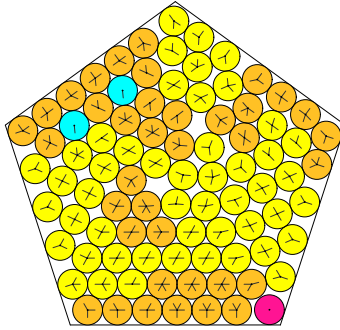
**N = 88**  
88 circles in a pentagon



radius = 0.083957834537 density = 0.819612678541  
ratio = 11.910740738879 contacts = 173

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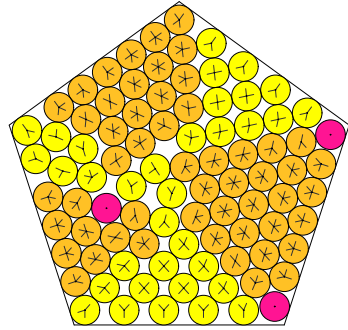
**N = 89**  
89 circles in a pentagon



radius = 0.083373984546 density = 0.817437693736  
ratio = 11.994149079540 contacts = 177

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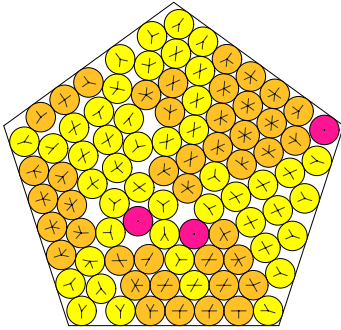
**N = 90**  
90 circles in a pentagon



radius = 0.082916317197 density = 0.817572088512  
ratio = 12.060352338420 contacts = 195

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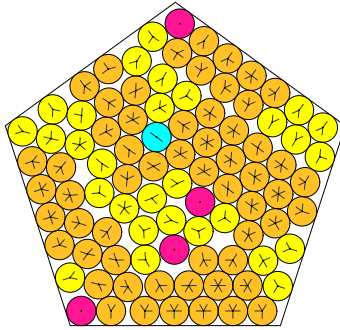
**N = 91**  
91 circles in a pentagon



radius = 0.082486675079 density = 0.818111555839  
ratio = 12.123170185273 contacts = 185

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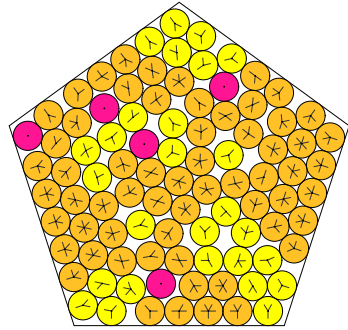
**N = 92**  
92 circles in a pentagon



radius = 0.082097116118 density = 0.819307950188  
ratio = 12.180695830566 contacts = 188

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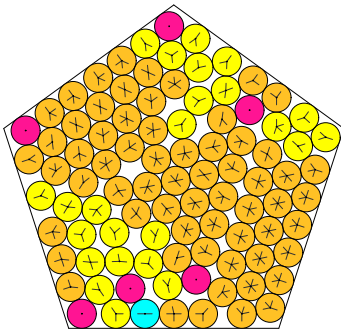
**N = 93**  
93 circles in a pentagon



radius = 0.081604858730 density = 0.818311249615  
ratio = 12.254172307419 contacts = 186

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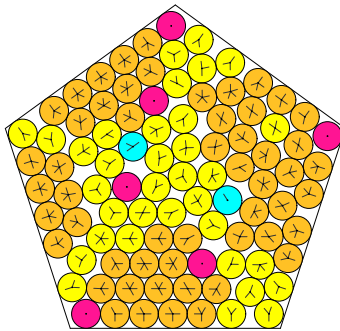
**N = 94**  
94 circles in a pentagon



radius = 0.081226027424 density = 0.819448791186  
ratio = 12.311324728218 contacts = 188

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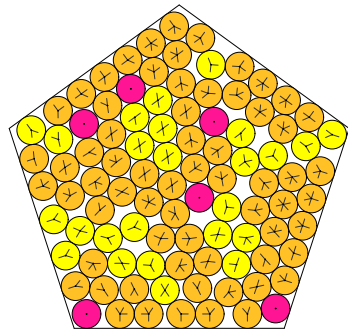
**N = 95**  
95 circles in a pentagon



radius = 0.080767780940 density = 0.818848288723  
ratio = 12.381174626339 contacts = 184

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**N = 96**  
96 circles in a pentagon



radius = 0.080301040266 density = 0.817931839723  
ratio = 12.453138797299 contacts = 187

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