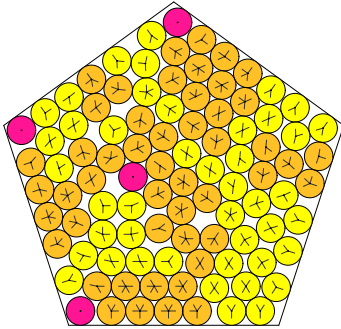


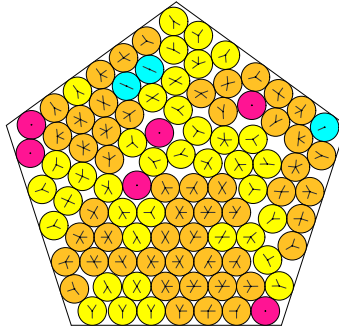
**N = 97**  
97 circles in a pentagon



radius = 0.079943232591 density = 0.819103315117  
ratio = 12.508876206147 contacts = 191

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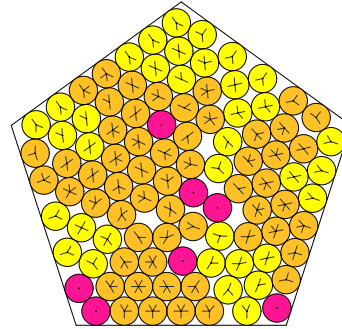
**N = 98**  
98 circles in a pentagon



radius = 0.079605103982 density = 0.820562077603  
ratio = 12.562008589627 contacts = 184

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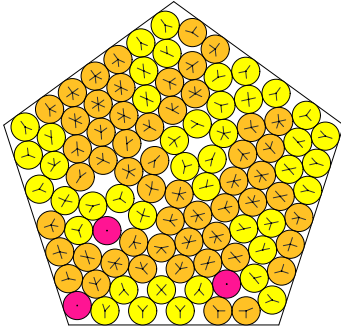
**N = 99**  
99 circles in a pentagon



radius = 0.079303089608 density = 0.822657285419  
ratio = 12.609849186747 contacts = 189

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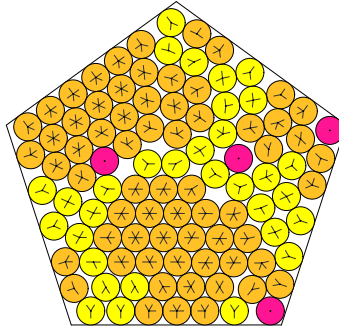
**N = 100**  
100 circles in a pentagon



radius = 0.078846720977 density = 0.821430477223  
ratio = 12.682835603166 contacts = 198

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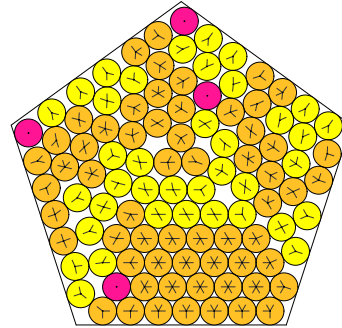
**N = 101**  
101 circles in a pentagon



radius = 0.078397075020 density = 0.820209190624  
ratio = 12.755577931254 contacts = 214

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10.1007/s11464-011-0001-1

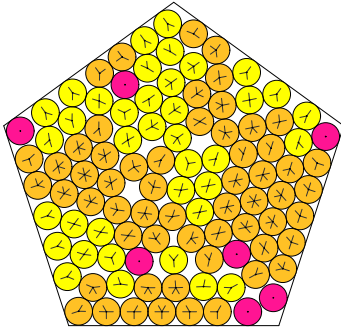
**N = 102**  
102 circles in a pentagon



radius = 0.078049093952 density = 0.820992976718  
ratio = 12.812448541875 contacts = 209

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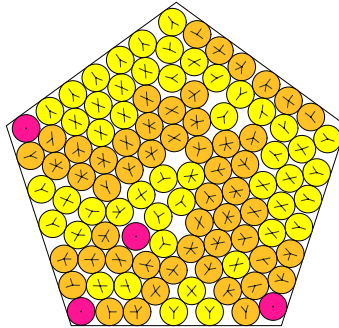
**N = 103**  
103 circles in a pentagon



radius = 0.077631543326 density = 0.820195162227  
ratio = 12.881361842836 contacts = 198

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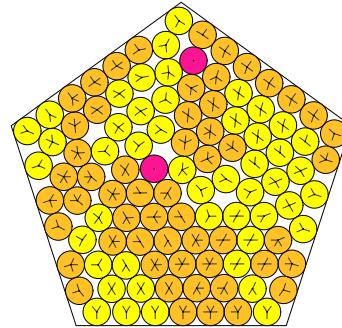
**N = 104**  
104 circles in a pentagon



radius = 0.077168830932 density = 0.818315391322  
ratio = 12.95859837818 contacts = 201

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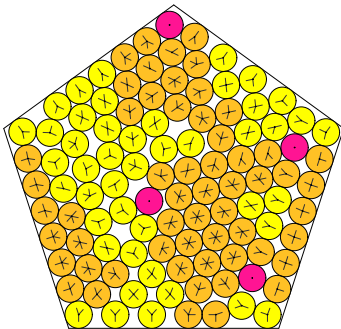
**N = 105**  
105 circles in a pentagon



radius = 0.076787199063 density = 0.818032371565  
ratio = 13.023003992886 contacts = 208

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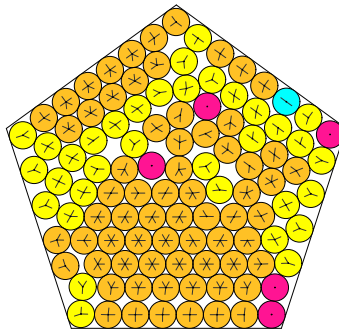
**N = 106**  
106 circles in a pentagon



radius = 0.076515935706 density = 0.819998750986  
ratio = 13.069172986949 contacts = 211

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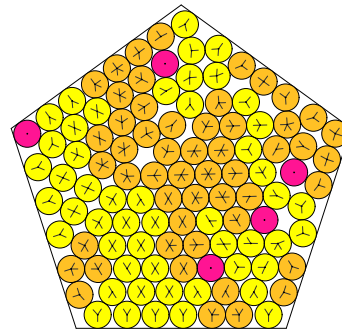
**N = 107**  
107 circles in a pentagon



radius = 0.076149393401 density = 0.819823215620  
ratio = 13.132080970547 contacts = 221

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**N = 108**  
108 circles in a pentagon



radius = 0.075754999505 density = 0.818935868866  
ratio = 13.200448901514 contacts = 207

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