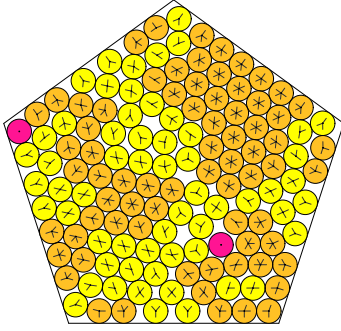


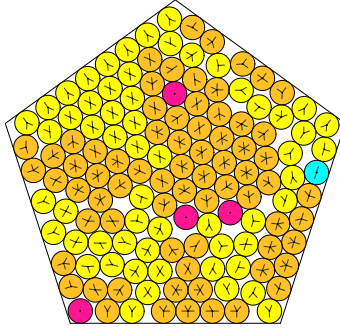
**N = 133**  
133 circles in a pentagon



radius = 0.068582227196 density = 0.826567548881  
ratio = 14.581037112459 contacts = 282

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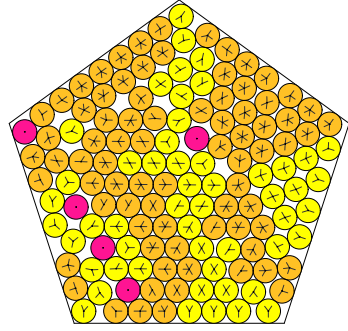
**N = 134**  
134 circles in a pentagon



radius = 0.068261352367 density = 0.825007911039  
ratio = 14.649577913775 contacts = 267

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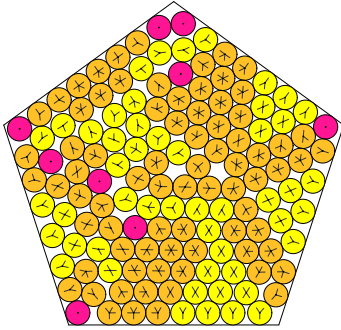
**N = 135**  
135 circles in a pentagon



radius = 0.068040648959 density = 0.825798712309  
ratio = 14.697096739959 contacts = 272

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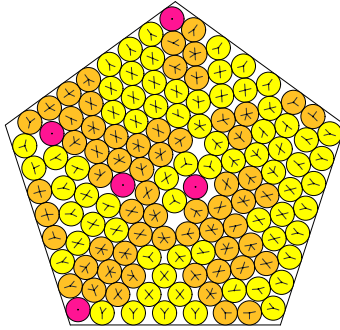
**N = 136**  
136 circles in a pentagon



radius = 0.067765039748 density = 0.825189782026  
ratio = 14.756871739746 contacts = 266

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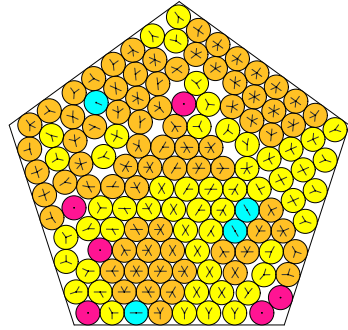
**N = 137**  
137 circles in a pentagon



radius = 0.067545701581 density = 0.825884926139  
ratio = 14.804791076170 contacts = 264

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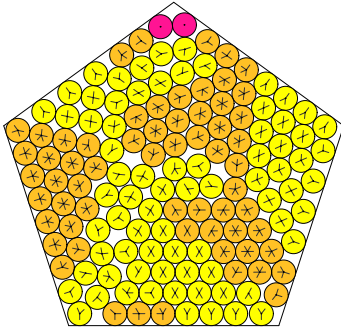
**N = 138**  
138 circles in a pentagon



radius = 0.067338459371 density = 0.826816199221  
ratio = 14.8503546601826 contacts = 267

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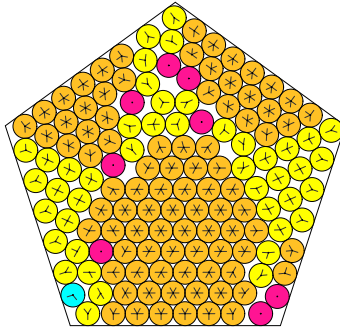
**N = 139**  
139 circles in a pentagon



radius = 0.067090550524 density = 0.82666888953  
ratio = 14.905228712384 contacts = 293

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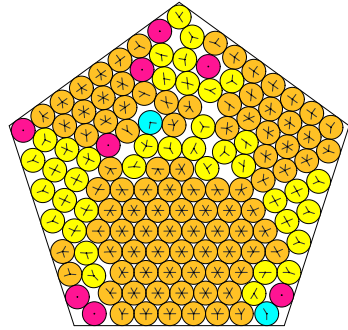
**N = 140**  
140 circles in a pentagon



radius = 0.066864948010 density = 0.827043964551  
ratio = 14.955518994054 contacts = 307

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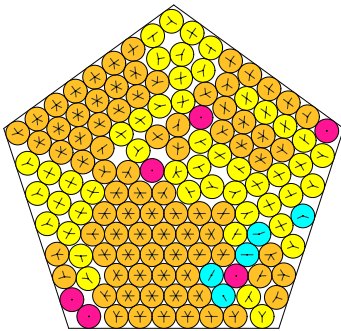
**N = 141**  
141 circles in a pentagon



radius = 0.066699596393 density = 0.828836872007  
ratio = 14.992594469506 contacts = 308

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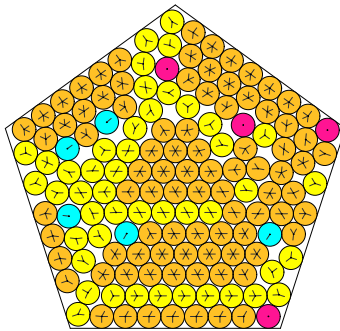
**N = 142**  
142 circles in a pentagon



radius = 0.066470805976 density = 0.82898552700  
ratio = 15.044198506651 contacts = 300

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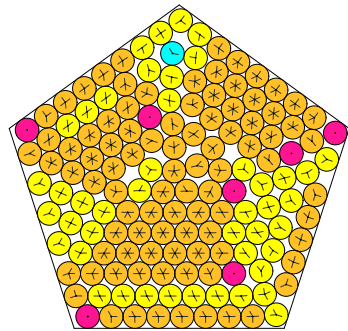
**N = 143**  
143 circles in a pentagon



radius = 0.066176694705 density = 0.827465164955  
ratio = 15.111059935190 contacts = 299

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**N = 144**  
144 circles in a pentagon



radius = 0.065970110319 density = 0.828057416415  
ratio = 15.158379987004 contacts = 303

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