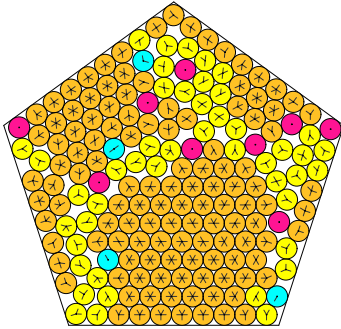


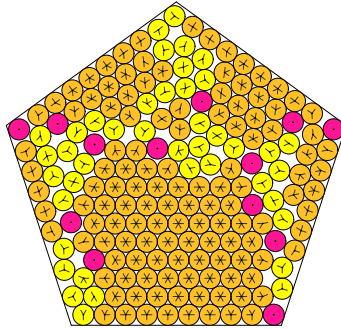
N = 181  
181 circles in a pentagon



radius = 0.059099157200 density = 0.835304244913  
ratio = 16.920715072397 contacts = 384

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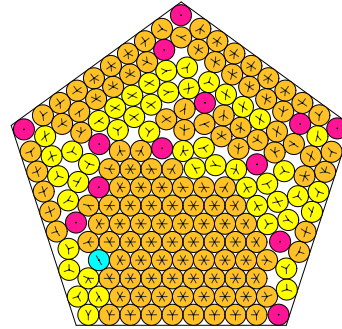
N = 182  
182 circles in a pentagon



radius = 0.058908887350 density = 0.834519648558  
ratio = 16.975367299990 contacts = 395

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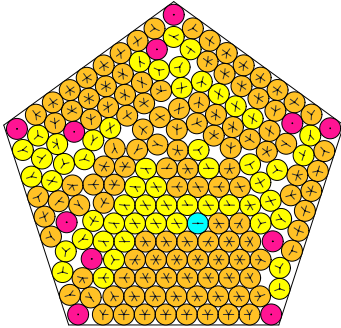
N = 183  
183 circles in a pentagon



radius = 0.058783353045 density = 0.835532481866  
ratio = 17.011618905687 contacts = 394

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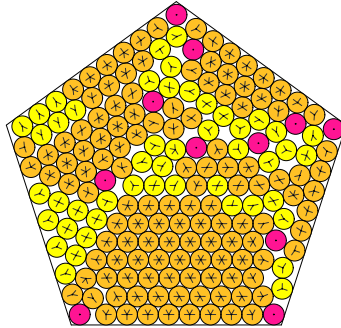
N = 184  
184 circles in a pentagon



radius = 0.058597882648 density = 0.834805321539  
ratio = 17.065463030585 contacts = 374

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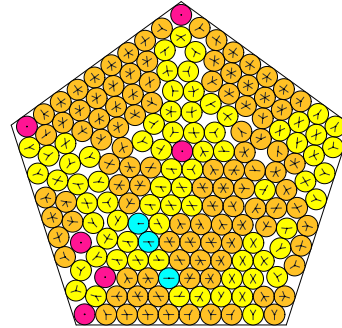
N = 185  
185 circles in a pentagon



radius = 0.058444798229 density = 0.834962544915  
ratio = 17.1101622585929 contacts = 394

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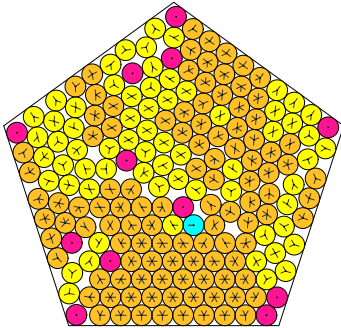
N = 186  
186 circles in a pentagon



radius = 0.058291372929 density = 0.835074171486  
ratio = 17.155197240216 contacts = 375

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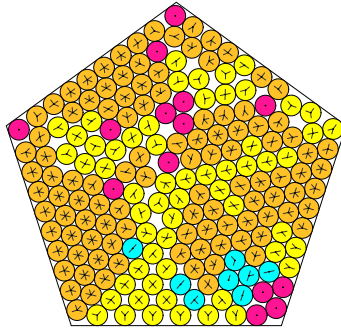
N = 187  
187 circles in a pentagon



radius = 0.058148151436 density = 0.835443281080  
ratio = 17.197451256909 contacts = 376

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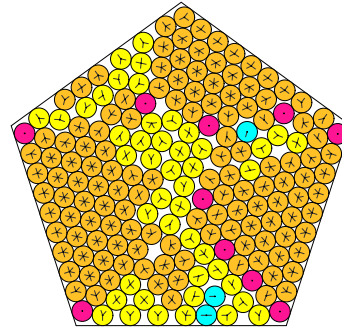
N = 188  
188 circles in a pentagon



radius = 0.058011965909 density = 0.835981282794  
ratio = 17.237822996184 contacts = 371

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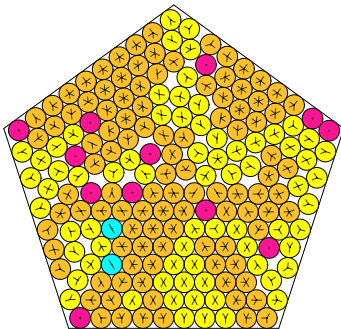
N = 189  
189 circles in a pentagon



radius = 0.0578887757934 density = 0.836833005565  
ratio = 17.274809660795 contacts = 405

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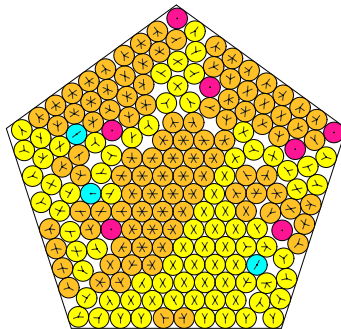
N = 190  
190 circles in a pentagon



radius = 0.057732101738 density = 0.836742591853  
ratio = 17.321385674442 contacts = 378

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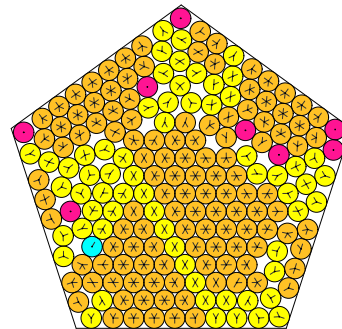
N = 191  
191 circles in a pentagon



radius = 0.057580382406 density = 0.836731261856  
ratio = 17.367026028917 contacts = 387

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N = 192  
192 circles in a pentagon



radius = 0.057450429294 density = 0.837319728047  
ratio = 17.406310314629 contacts = 415

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