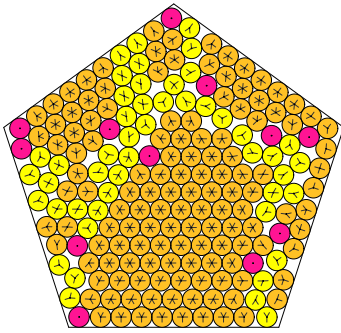


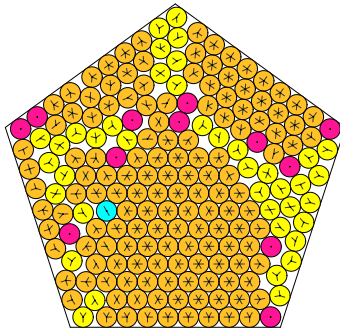
N = 193  
193 circles in a pentagon



radius = 0.057312434847 density = 0.837641648820  
ratio = 17.448226578300 contacts = 425

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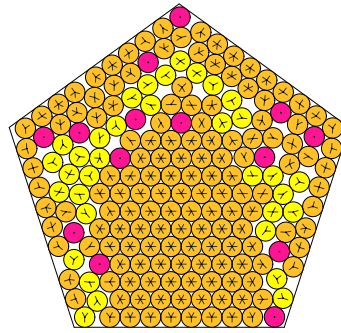
N = 194  
194 circles in a pentagon



radius = 0.057135549328 density = 0.836793085463  
ratio = 17.502238304550 contacts = 422

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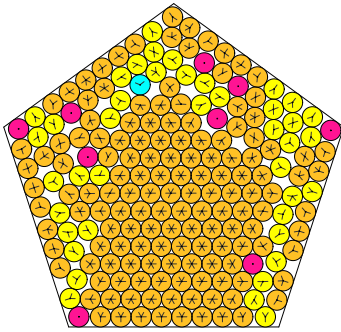
N = 195  
195 circles in a pentagon



radius = 0.056983864053 density = 0.836646387750  
ratio = 17.548827490356 contacts = 419

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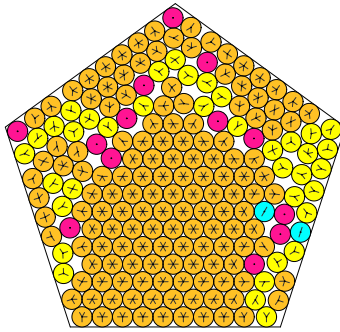
N = 196  
196 circles in a pentagon



radius = 0.056820122561 density = 0.83611009708  
ratio = 17.599398856038 contacts = 426

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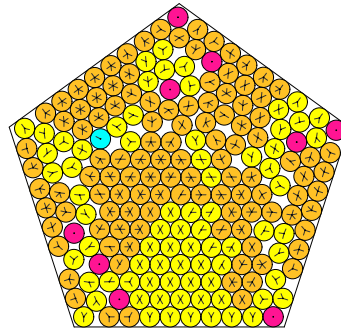
N = 197  
197 circles in a pentagon



radius = 0.05667656007 density = 0.836138462440  
ratio = 17.643948504592 contacts = 436

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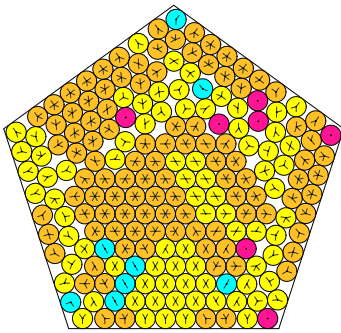
N = 198  
198 circles in a pentagon



radius = 0.056537340893 density = 0.836256460388  
ratio = 17.687425411332 contacts = 387

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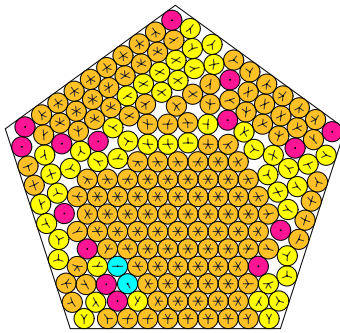
N = 199  
199 circles in a pentagon



radius = 0.056408547824 density = 0.836655082719  
ratio = 17.727809677358 contacts = 400

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N = 200  
200 circles in a pentagon



radius = 0.056271364514 density = 0.836774480720  
ratio = 17.771028099935 contacts = 427

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