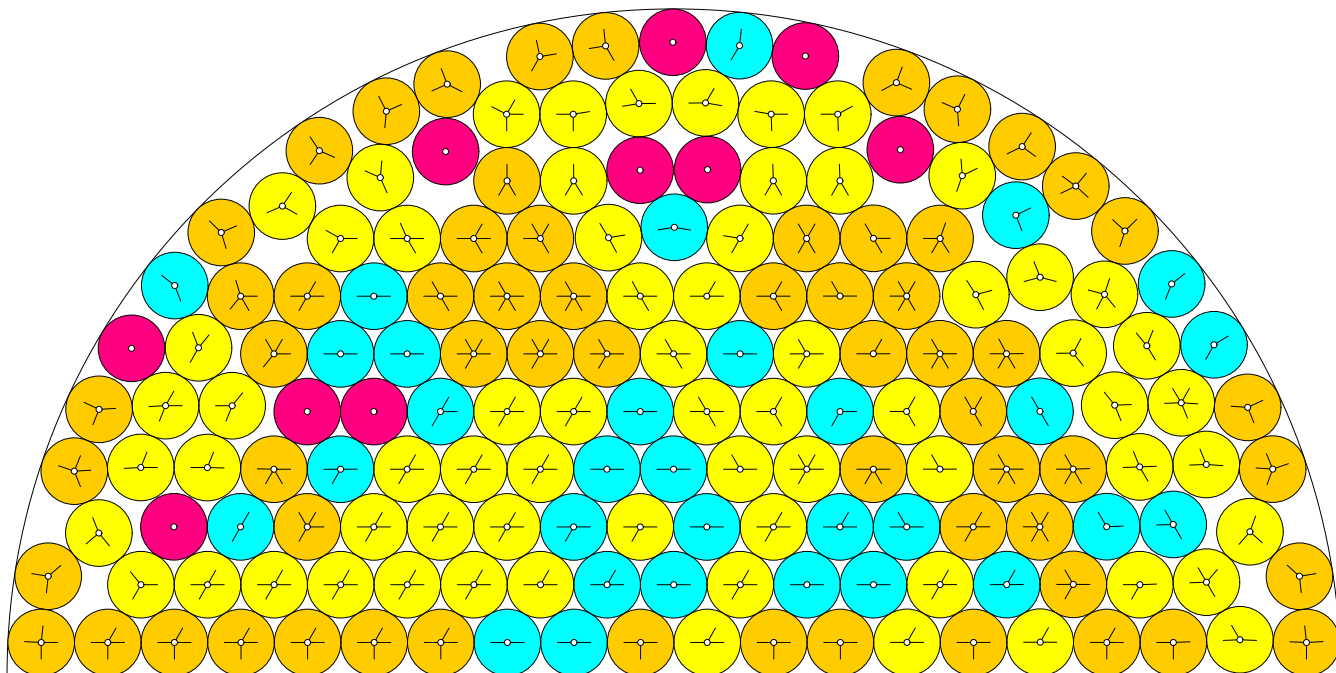


## 169 circles in a semicircle



radius = 0.049938580982      density = 0.842925312230  
ratio = 20.024597822655      contacts = 284

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