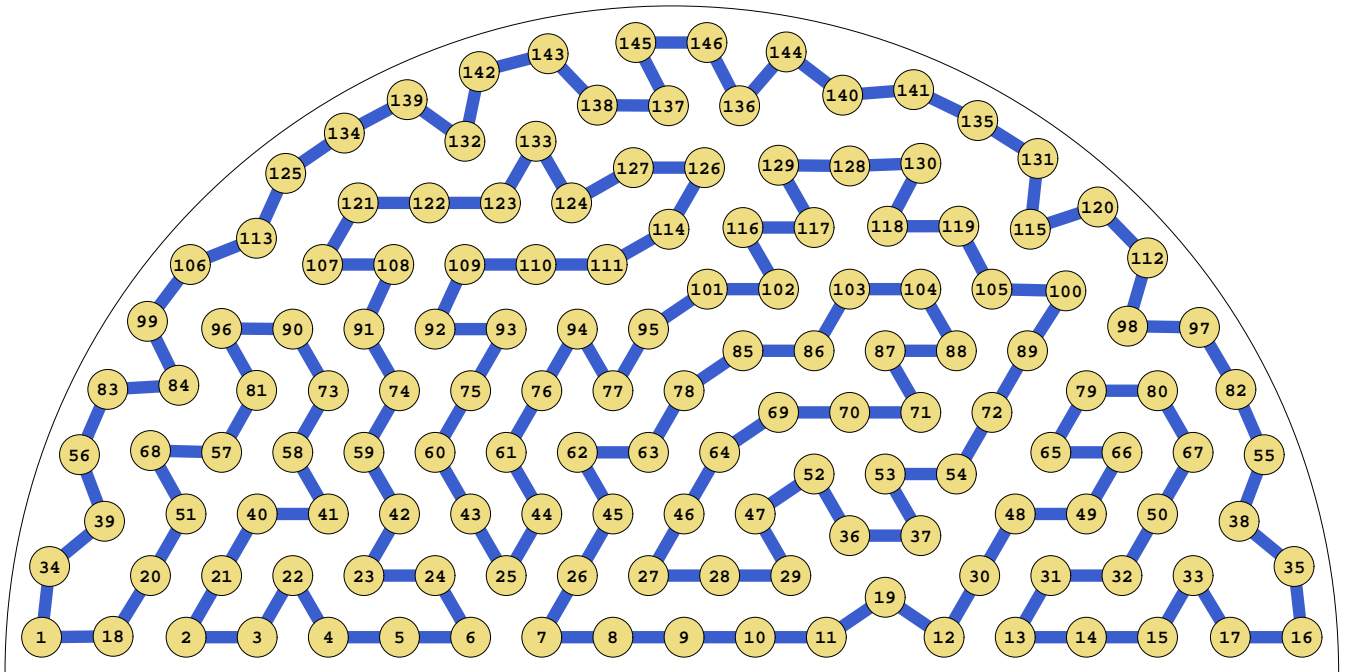


## 146 circles in a semicircle



radius = 0.053348124250    density = 0.831038529414  
ratio = 18.744801510016    length = 15.590285

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