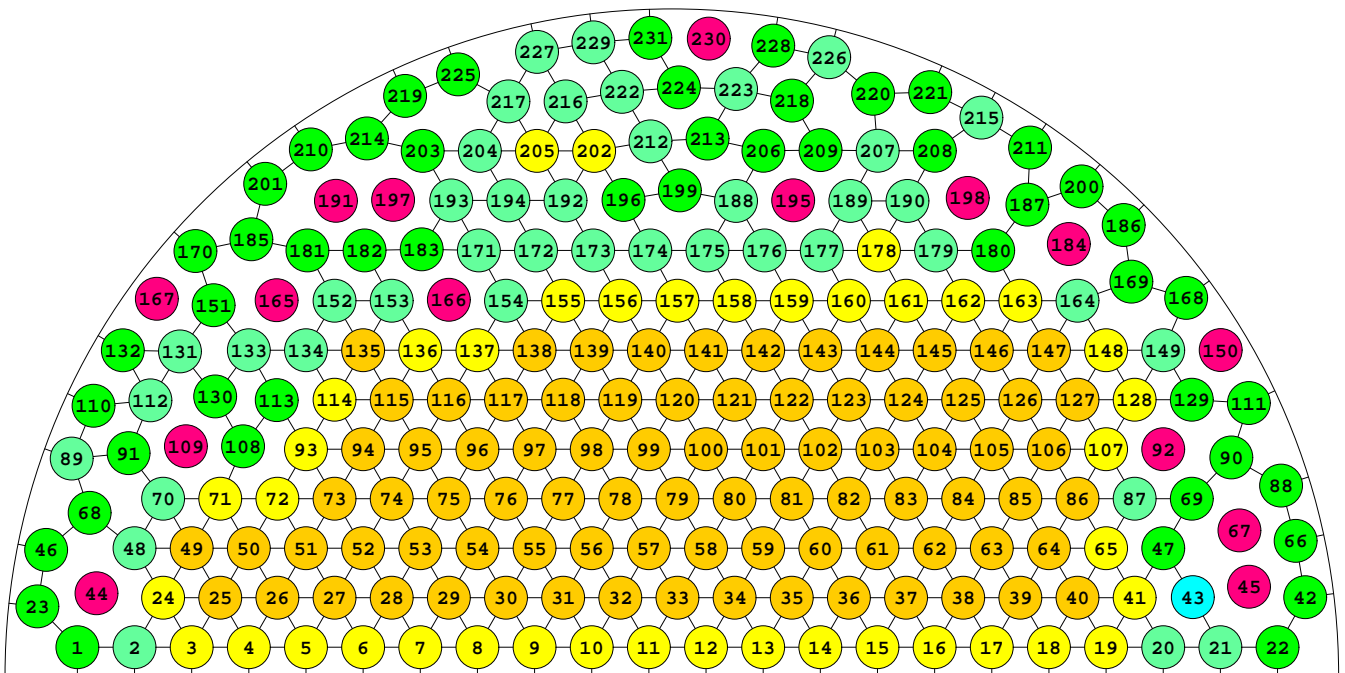


## 231 circles in a semicircle



radius = 0.042853638752  
ratio = 23.335241279950

density = 0.848432671678  
contacts = 533

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