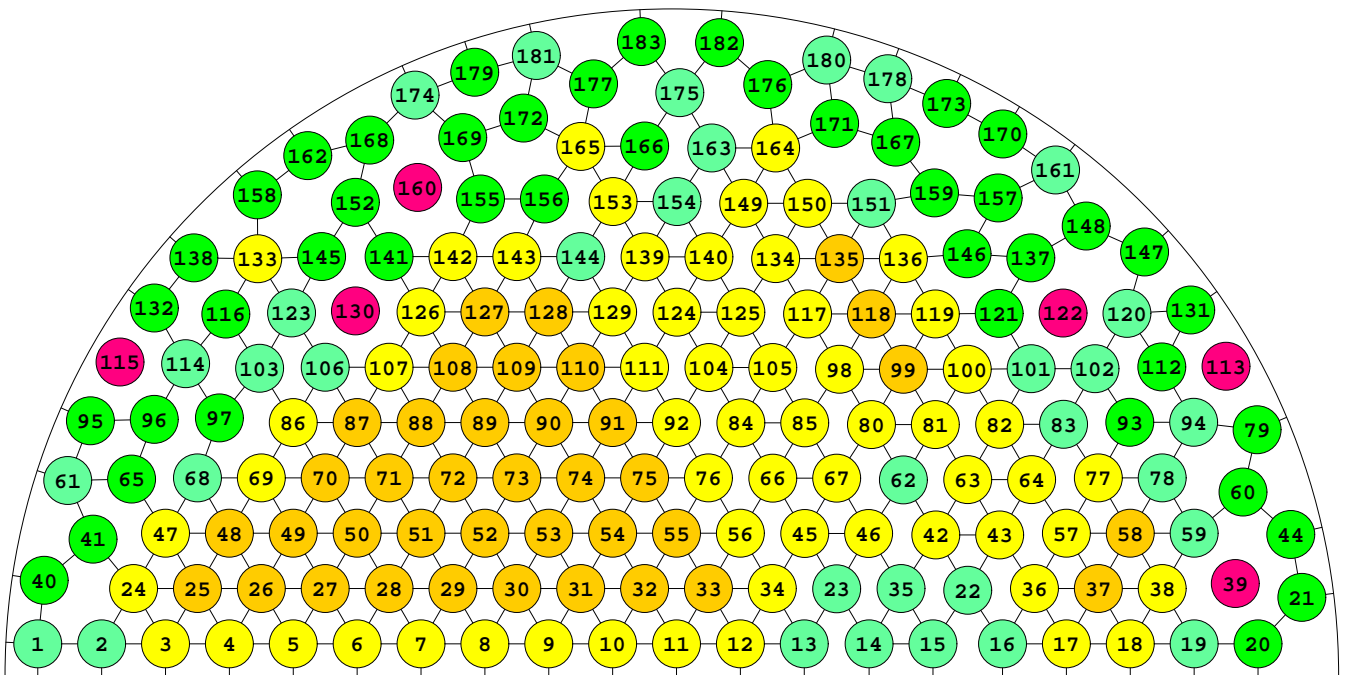


# 183 circles in a semicircle



radius = 0.047895781454  
ratio = 20.878665503439

density = 0.839606152472  
contacts = 422

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18-MAR-2011