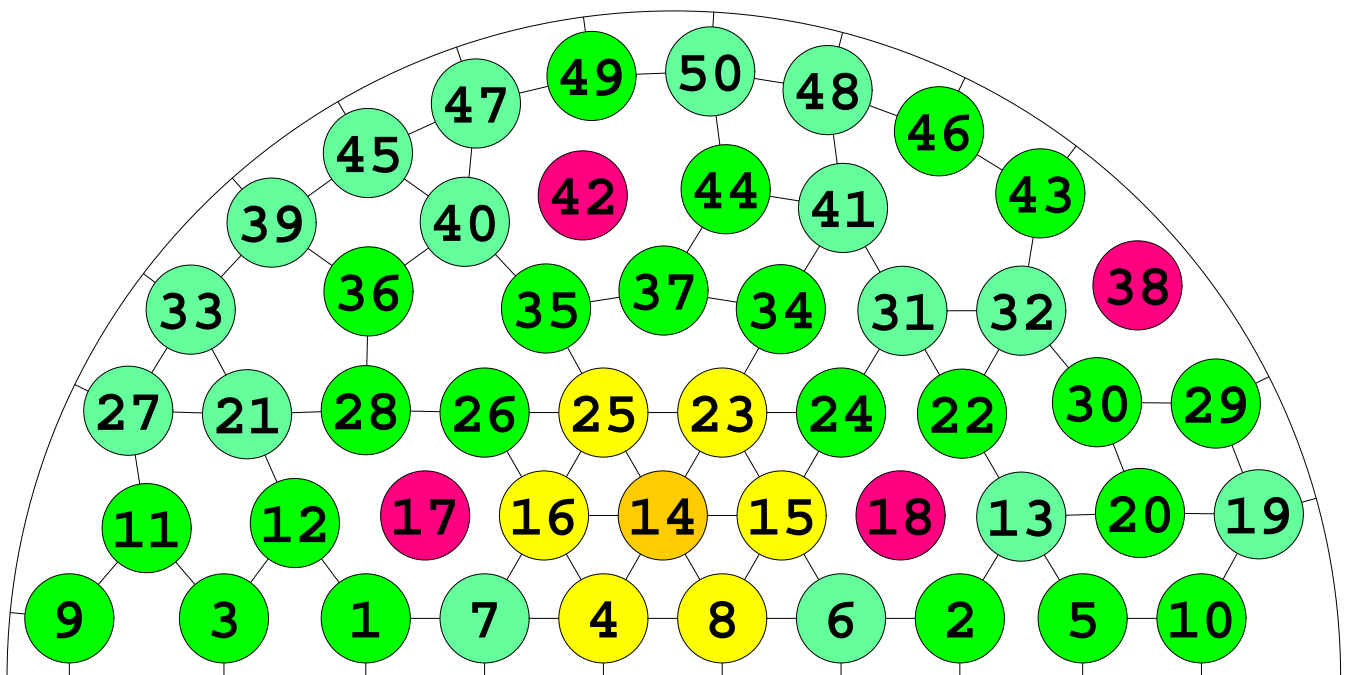


# 50 circles in a semicircle



radius = 0.089093785529  
ratio = 11.224127407558

density = 0.793770261990  
contacts = 96

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