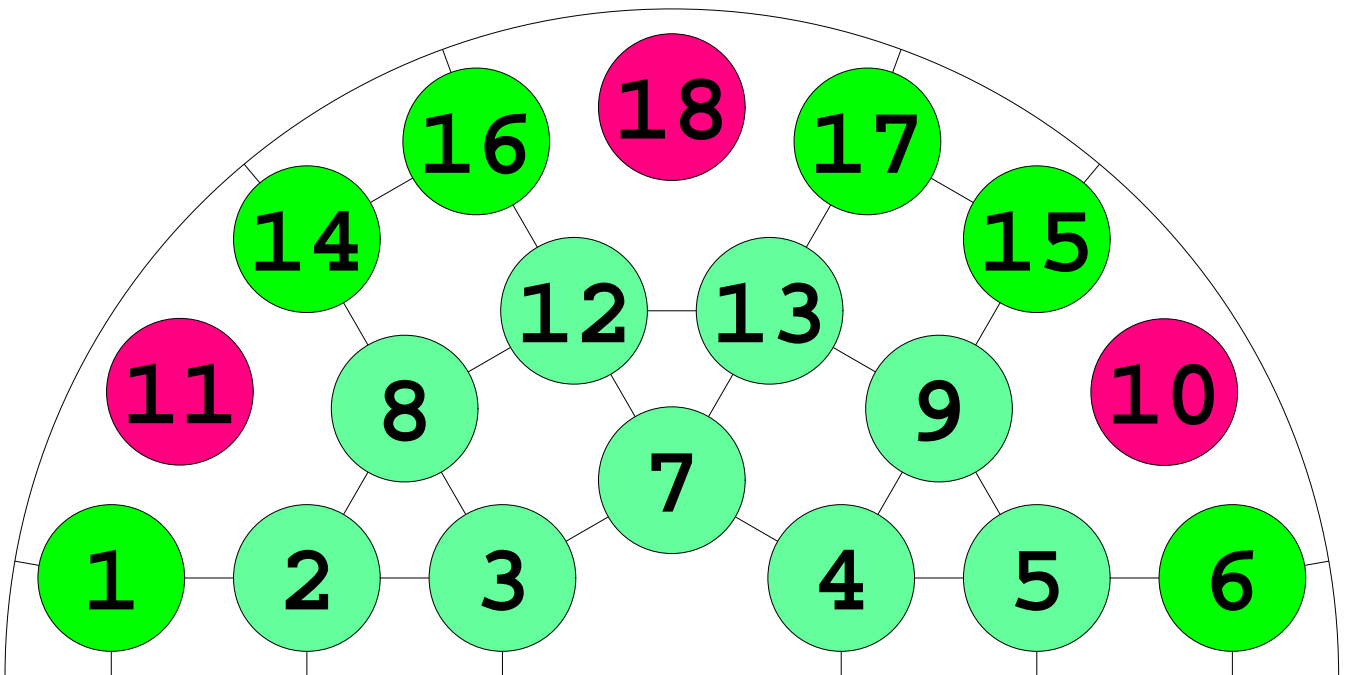


# 18 circles in a semicircle



radius = 0.146657116266  
ratio = 6.818625822353

density = 0.774299151048  
contacts = 33

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