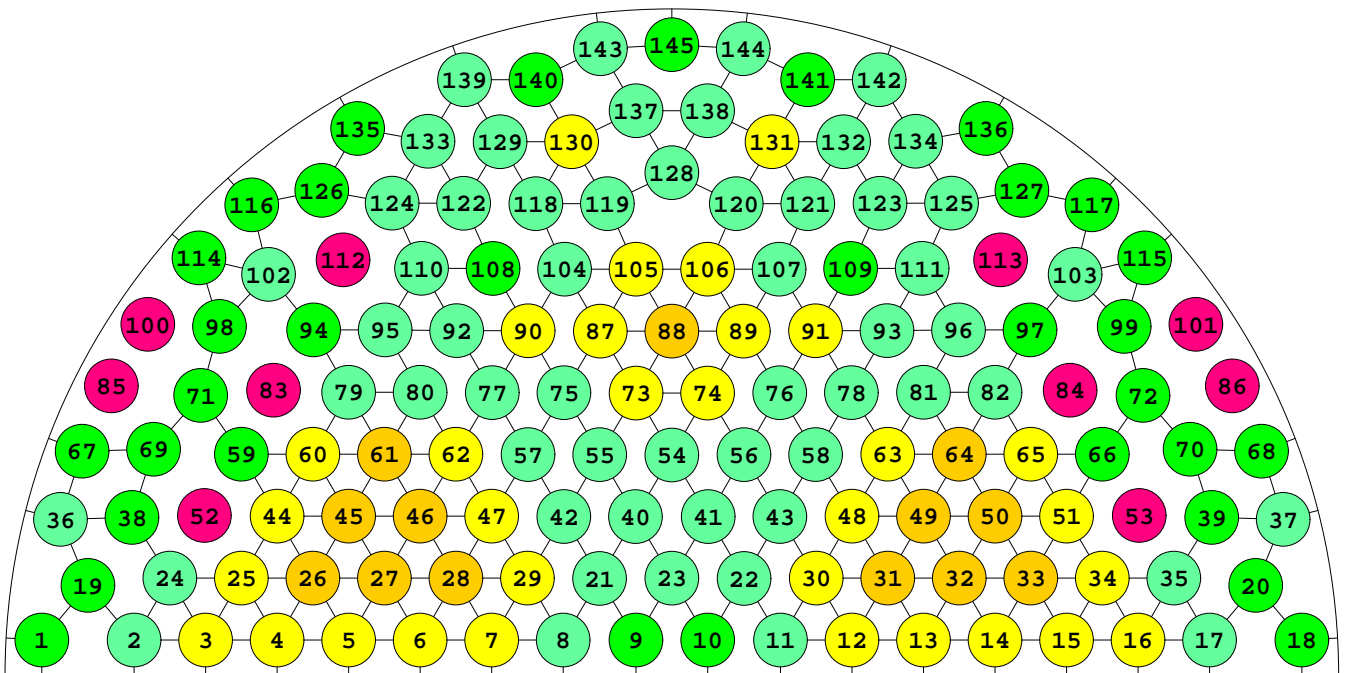


## 145 circles in a semicircle



radius = 0.053625624712    density = 0.833955211477  
ratio = 18.647801407733    contacts = 300

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