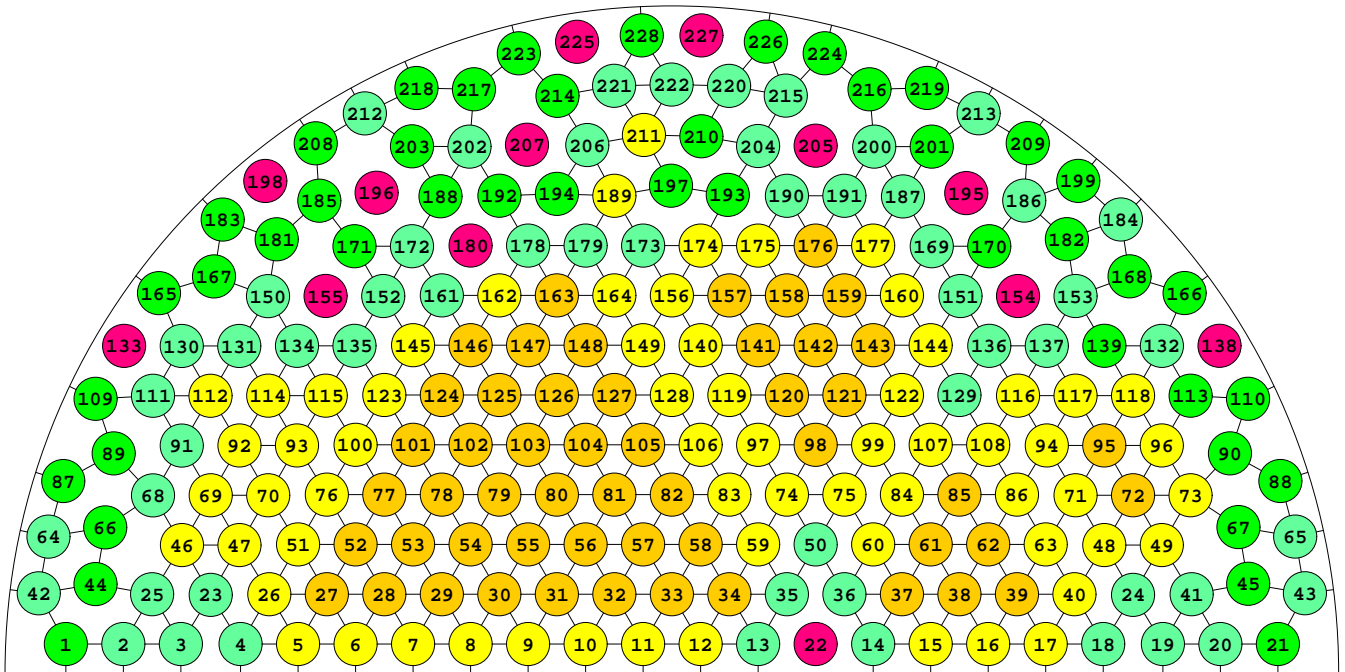


## 228 circles in a semicircle



radius = 0.043121154539  
ratio = 23.190473694429

density = 0.847901889745  
contacts = 514

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