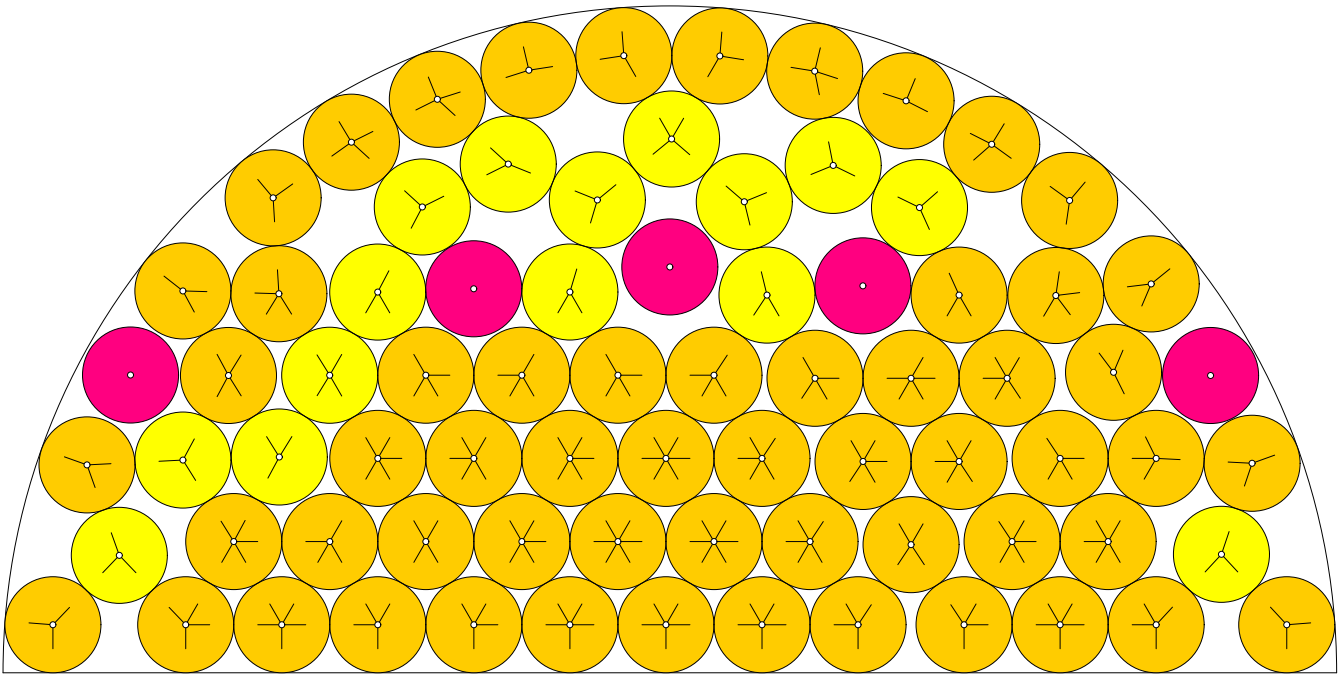


## 78 circles in a semicircle



radius = 0.072020041392    density = 0.809154272499  
ratio = 13.885023955350    contacts = 159

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