A053416 r = a(n) unit disks covered by a disk R = n.

R1 → n=1 r=1

R1, R2 → n=2 r=1

R3 → n=3 r=7

R4 → n=4 r=7

R5 → n=5 r=19

R6 → n=6 r=19
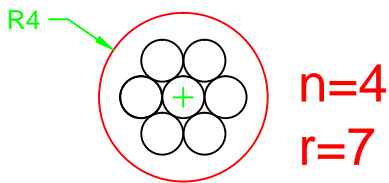
R7 → n=7 r=37

R8 → n=8 r=43

R9 → n=9 r=61

R10 → n=10 r=73

2 5 8 9 8 9
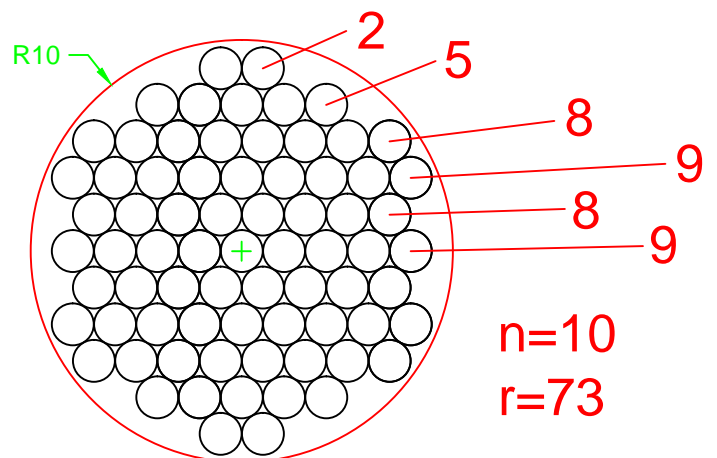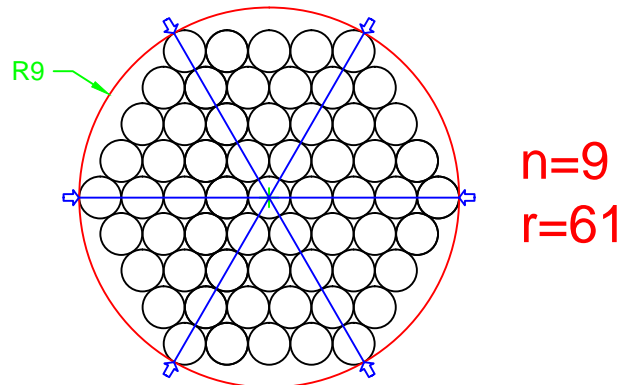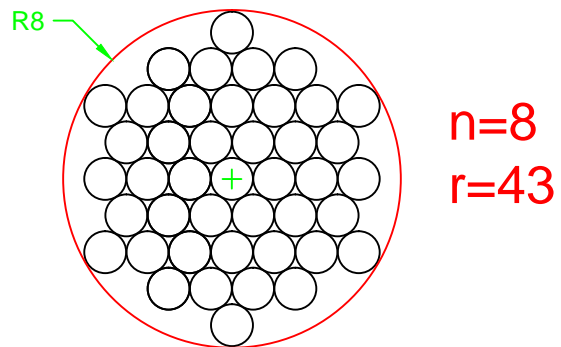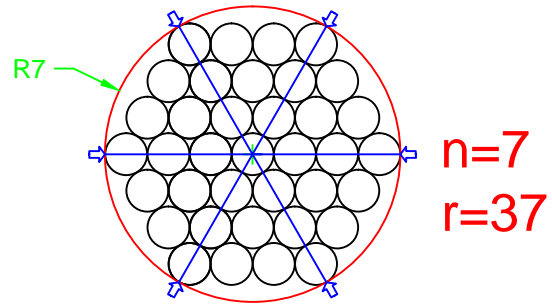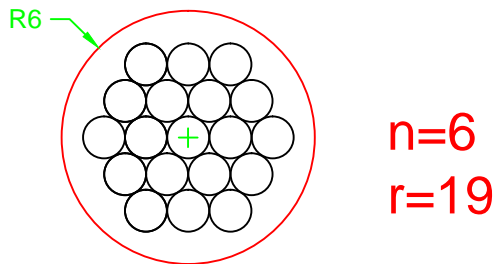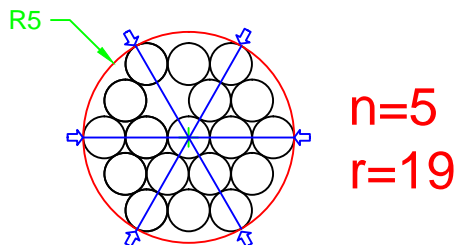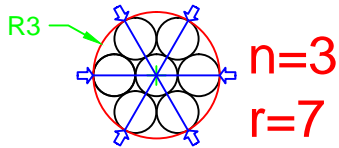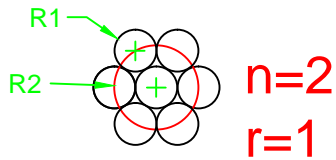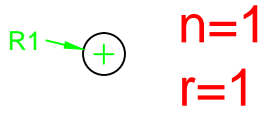
For n odd & n >= 3, contact points = 6.
For n even & n >=2, contact points = 0.