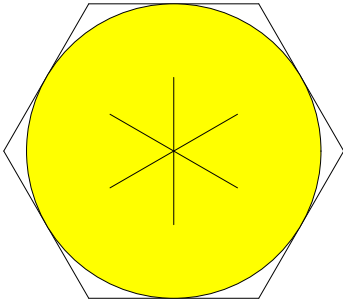


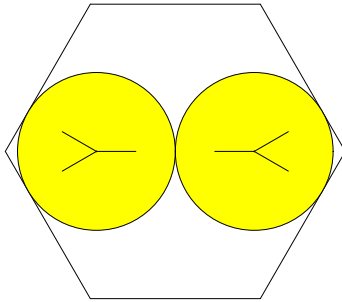
N = 1
1 circle in a hexagon



radius = 0.866025403785 density = 0.906899682117
ratio = 1.154700538379 contacts = 6

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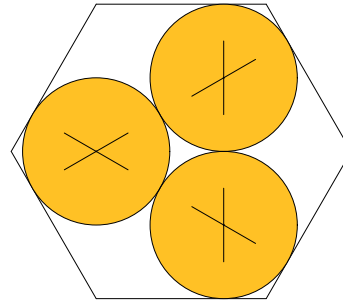
N = 2
2 circles in a hexagon



radius = 0.464101615138 density = 0.520899741122
ratio = 2.154700538379 contacts = 5

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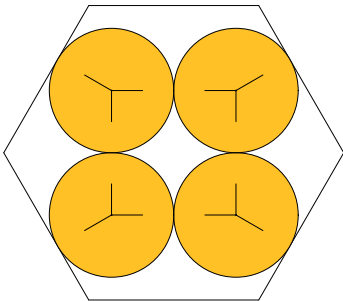
N = 3
3 circles in a hexagon



radius = 0.433012701892 density = 0.680174761588
ratio = 2.309401076758 contacts = 9

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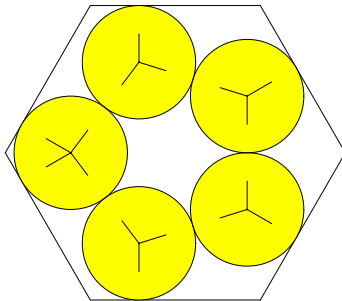
N = 4
4 circles in a hexagon



radius = 0.366025403784 density = 0.648008099838
ratio = 2.732050807569 contacts = 8

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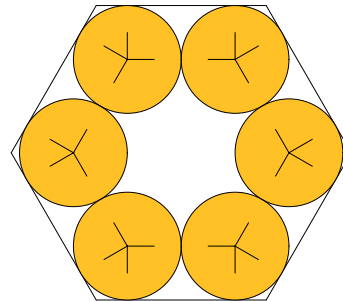
N = 5
5 circles in a hexagon



radius = 0.333404971008 density = 0.672066320823
ratio = 2.993355399461 contacts = 11

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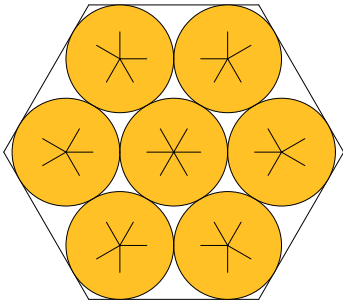
N = 6
6 circles in a hexagon



radius = 0.316987298108 density = 0.729009112318
ratio = 3.154700538379 contacts = 18

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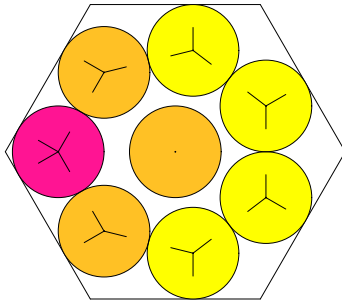
N = 7
7 circles in a hexagon



radius = 0.316987298108 density = 0.850510631038
ratio = 3.154700538379 contacts = 24

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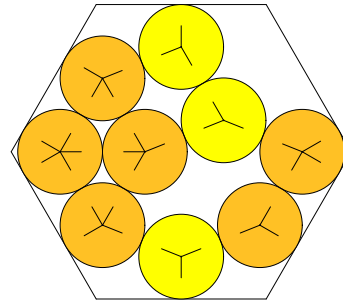
N = 8
8 circles in a hexagon



radius = 0.269585370786 density = 0.703040939766
ratio = 3.709401076758 contacts = 15

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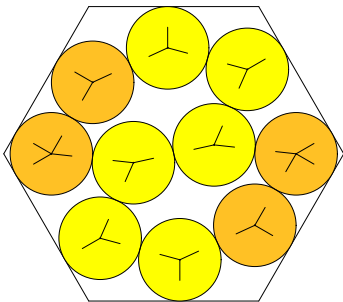
N = 9
9 circles in a hexagon



radius = 0.249261972966 density = 0.676164790379
ratio = 4.011843395521 contacts = 21

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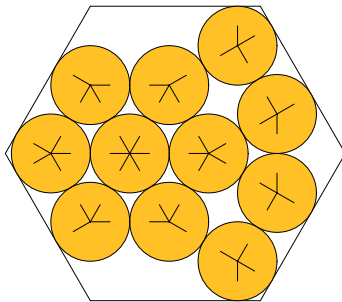
N = 10
10 circles in a hexagon



radius = 0.242756322541 density = 0.712588953983
ratio = 4.119357178980 contacts = 21

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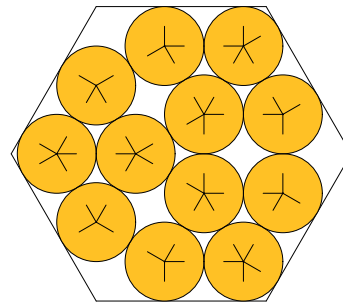
N = 11
11 circles in a hexagon



radius = 0.232050807569 density = 0.716237144042
ratio = 4.309401076758 contacts = 29

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N = 12
12 circles in a hexagon



radius = 0.232050807569 density = 0.781349611682
ratio = 4.309401076758 contacts = 33

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