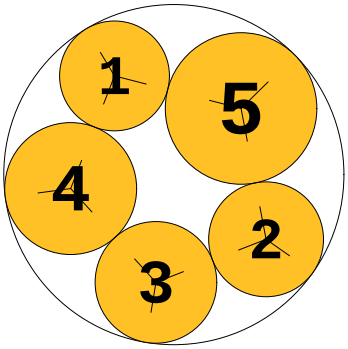
N = 5

5 circles in a circle



radius = 0.445510532110 density = 0.695057227703
ratio = 2.244615846147 contacts = 10

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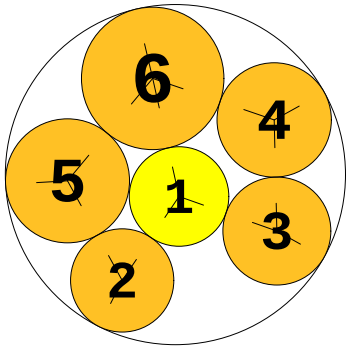
N = 6

6 circles in a circle



radius = 0.418762856923 density = 0.699742410812
ratio = 2.387986382908 contacts = 12

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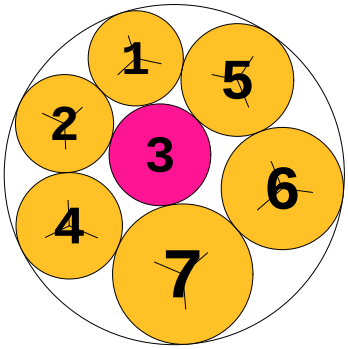
N = 7

7 circles in a circle



radius = 0.412775680938 density = 0.758109420731
ratio = 2.422623342846 contacts = 12

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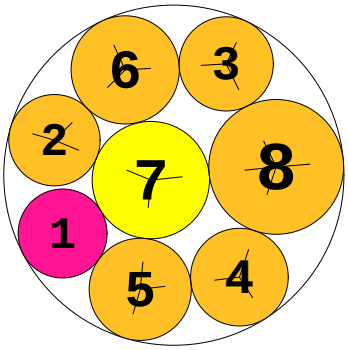
N = 8

8 circles in a circle



radius = 0.396224628403 density = 0.766868096625
ratio = 2.523820904396 contacts = 14

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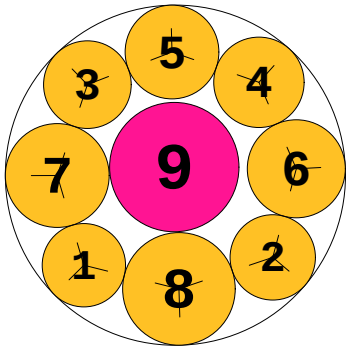
N = 9

9 circles in a circle



radius = 0.380224295376 density = 0.766215322601
ratio = 2.630026571582 contacts = 16

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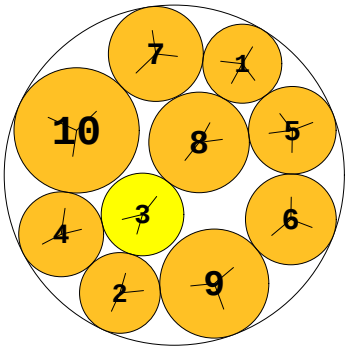
N = 10

10 circles in a circle



radius = 0.368217684482 density = 0.772565778837
ratio = 2.715784825511 contacts = 20

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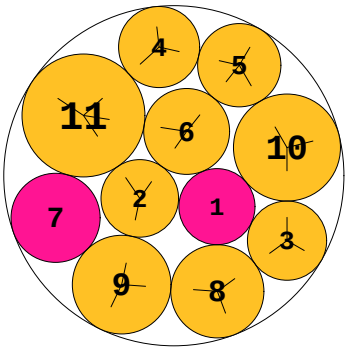
N = 11

11 circles in a circle



radius = 0.361341346032 density = 0.794015905604
ratio = 2.767466305700 contacts = 18

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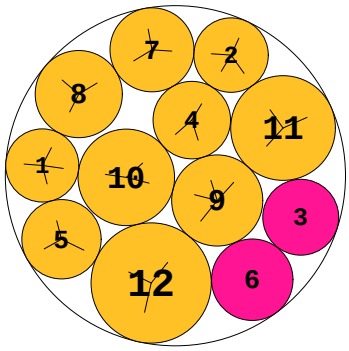
N = 12

12 circles in a circle



radius = 0.353479496273 density = 0.806084390414
ratio = 2.829018402890 contacts = 20

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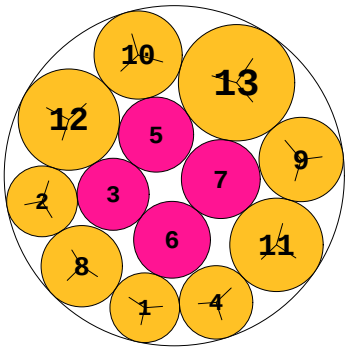
N = 13

13 circles in a circle



radius = 0.342006880890 density = 0.796535449627
ratio = 2.923917780248 contacts = 18

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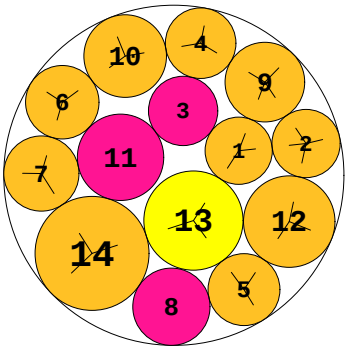
N = 14

14 circles in a circle



radius = 0.335032622223 density = 0.803439693249
ratio = 2.984783969285 contacts = 22

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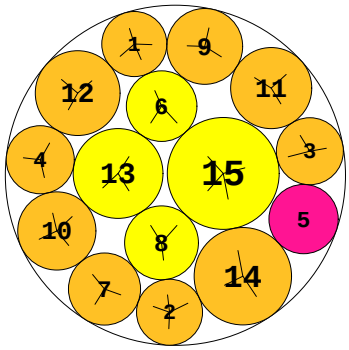
N = 15

15 circles in a circle



radius = 0.328894133918 density = 0.810884472461
ratio = 3.040492051613 contacts = 28

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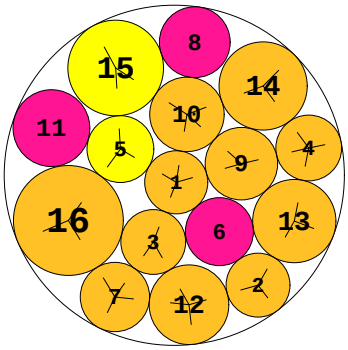
N = 16

16 circles in a circle



radius = 0.322954185272 density = 0.816265195197
ratio = 3.096414431528 contacts = 26

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