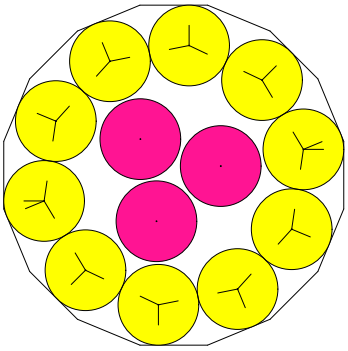
N = 13

13 circles in a hexadecagon



radius = 0.232797370830 density = 0.722969118072
ratio = 4.295581026132 contacts = 22

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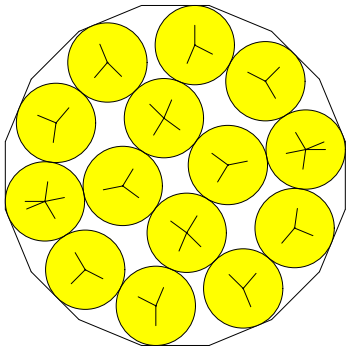
N = 14

14 circles in a hexadecagon



radius = 0.228751748884 density = 0.751756352995
ratio = 4.371551277220 contacts = 30

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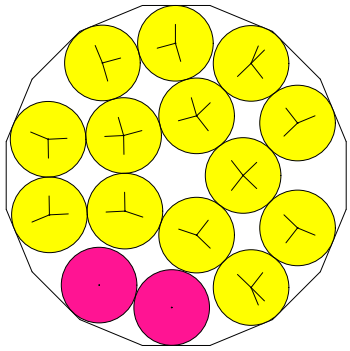
N = 15

15 circles in a hexadecagon



radius = 0.218093322591 density = 0.732143518418
ratio = 4.585193109620 contacts = 27

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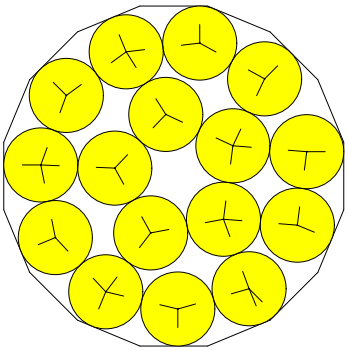
N = 16

16 circles in a hexadecagon



radius = 0.213661979610 density = 0.749539808678
ratio = 4.680289875737 contacts = 33

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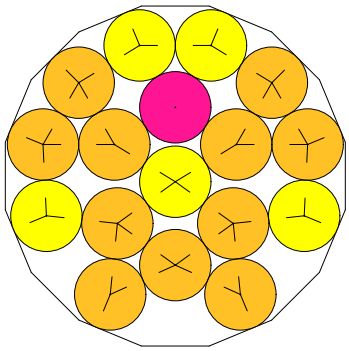
N = 17

17 circles in a hexadecagon



radius = 0.205917004872 density = 0.739696513691
ratio = 4.856325492029 contacts = 33

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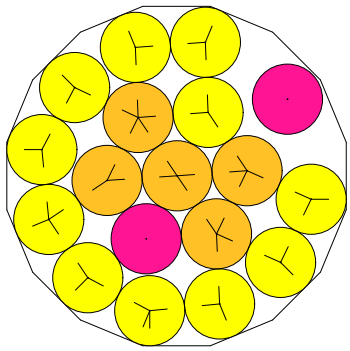
N = 18

18 circles in a hexadecagon



radius = 0.202733212758 density = 0.759176114706
ratio = 4.932590898139 contacts = 33

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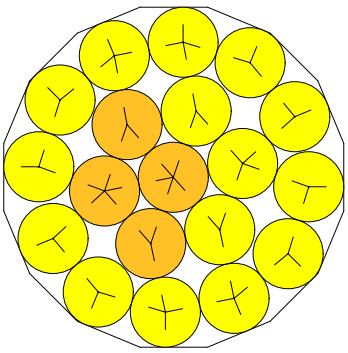
N = 19

19 circles in a hexadecagon



radius = 0.202115798420 density = 0.796479035795
ratio = 4.947658757094 contacts = 39

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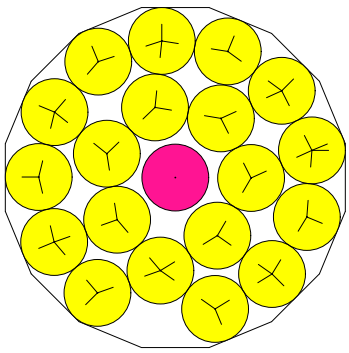
N = 20

20 circles in a hexadecagon



radius = 0.192692071372 density = 0.762040250870
ratio = 5.189627123118 contacts = 39

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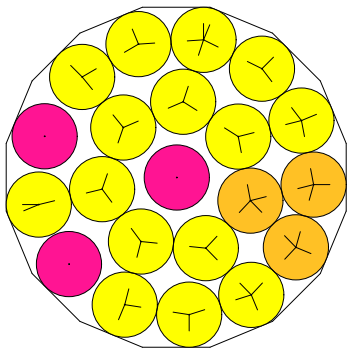
N = 21

21 circles in a hexadecagon



radius = 0.188035399172 density = 0.761936454367
ratio = 5.318147563712 contacts = 37

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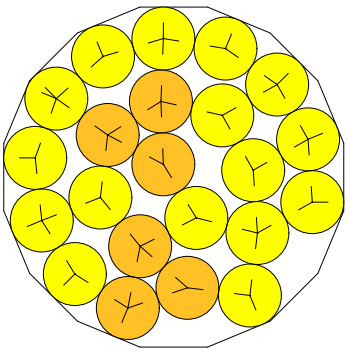
N = 22

22 circles in a hexadecagon



radius = 0.181548742791 density = 0.744096732681
ratio = 5.508162626876 contacts = 45

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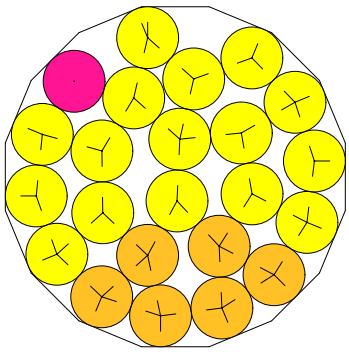
N = 23

23 circles in a hexadecagon



radius = 0.178389000729 density = 0.751076556753
ratio = 5.605726787614 contacts = 45

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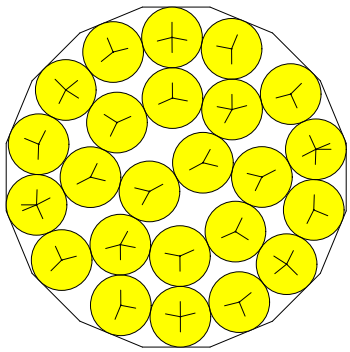
N = 24

24 circles in a hexadecagon



radius = 0.175006175983 density = 0.754289769404
ratio = 5.714084056636 contacts = 49

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