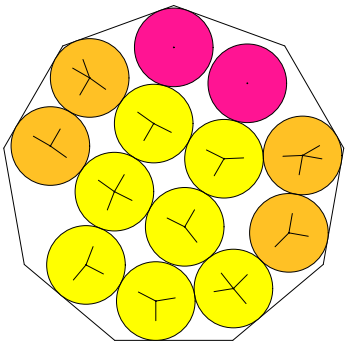
N = 13

13 circles in a nonagon



radius = 0.227702746932 density = 0.732065186087
ratio = 4.391690541609 contacts = 23

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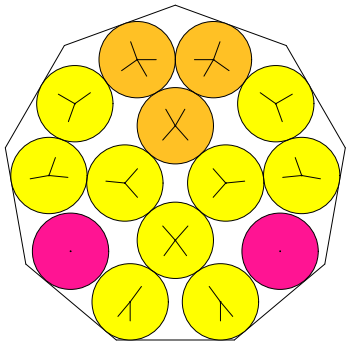
N = 14

14 circles in a nonagon



radius = 0.221049182018 density = 0.742977602962
ratio = 4.523880119661 contacts = 25

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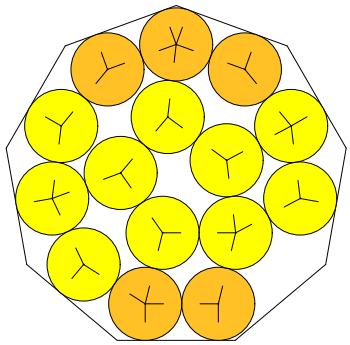
N = 15

15 circles in a nonagon



radius = 0.211711448133 density = 0.730213414238
ratio = 4.723410135922 contacts = 31

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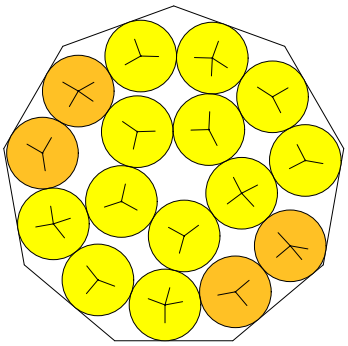
N = 16

16 circles in a nonagon



radius = 0.207403301040 density = 0.747517171648
ratio = 4.821524030638 contacts = 33

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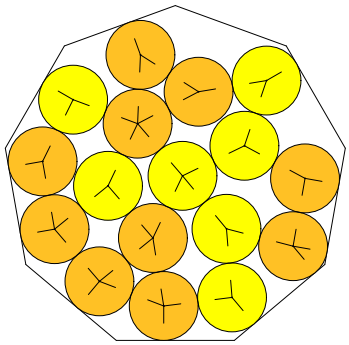
N = 17

17 circles in a nonagon



radius = 0.199389671625 density = 0.734047391663
ratio = 5.015304914483 contacts = 35

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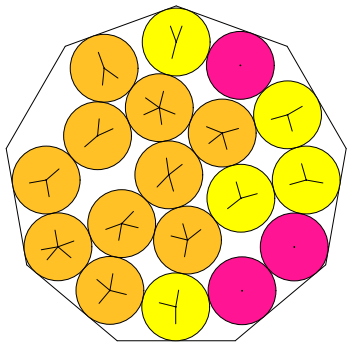
N = 18

18 circles in a nonagon



radius = 0.196449564621 density = 0.754474400370
ratio = 5.090365061011 contacts = 32

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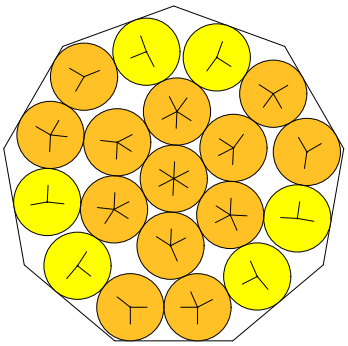
N = 19

19 circles in a nonagon



radius = 0.194579251484 density = 0.781297653383
ratio = 5.139294104442 contacts = 42

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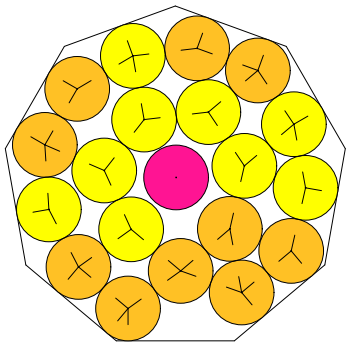
N = 20

20 circles in a nonagon



radius = 0.187357378977 density = 0.762502834249
ratio = 5.337393197203 contacts = 39

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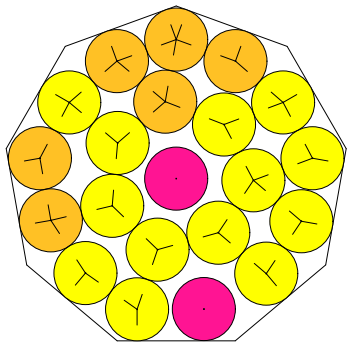
N = 21

21 circles in a nonagon



radius = 0.182666711750 density = 0.761040867532
ratio = 5.474451203612 contacts = 39

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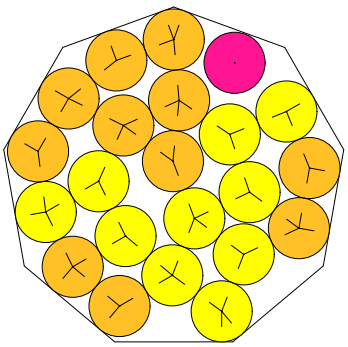
N = 22

22 circles in a nonagon



radius = 0.176922137610 density = 0.747923017463
ratio = 5.652203921509 contacts = 43

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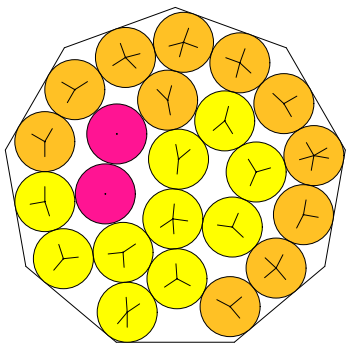
N = 23

23 circles in a nonagon



radius = 0.173790392372 density = 0.754482595143
ratio = 5.754058014107 contacts = 43

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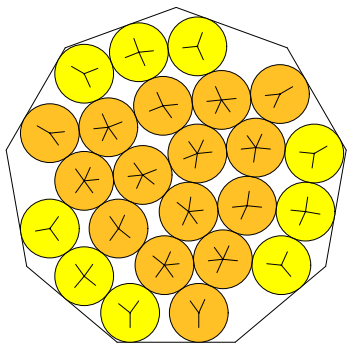
N = 24

24 circles in a nonagon



radius = 0.170185826540 density = 0.754966846205
ratio = 5.875929978021 contacts = 54

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