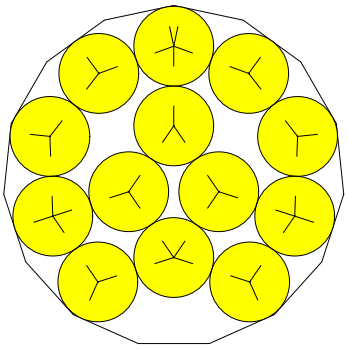
N = 13

13 circles in a pentadecagon



radius = 0.233258581424 density = 0.728440290891
ratio = 4.287087536174 contacts = 27

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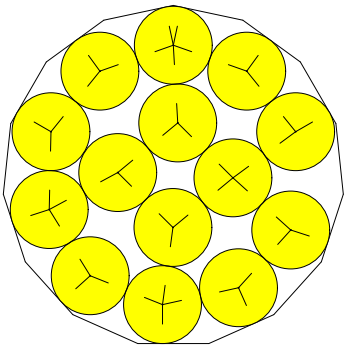
N = 14

14 circles in a pentadecagon



radius = 0.227740446201 density = 0.747796932723
ratio = 4.390963558218 contacts = 29

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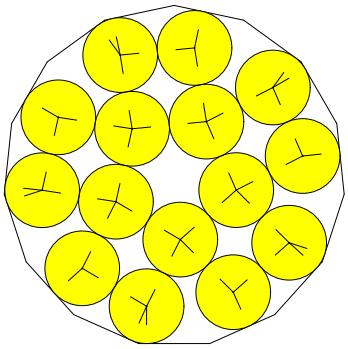
N = 15

15 circles in a pentadecagon



radius = 0.218419147385 density = 0.736966901512
ratio = 4.578353189135 contacts = 35

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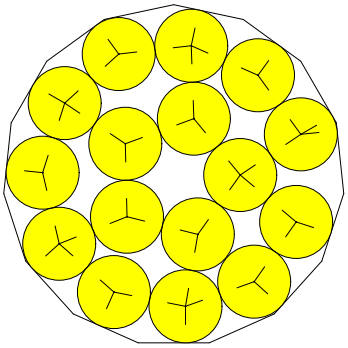
N = 16

16 circles in a pentadecagon



radius = 0.213488734913 density = 0.751009134615
ratio = 4.684087900037 contacts = 33

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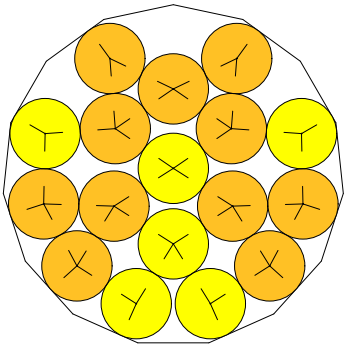
N = 17

17 circles in a pentadecagon



radius = 0.205729279778 density = 0.740996987108
ratio = 4.860756821191 contacts = 36

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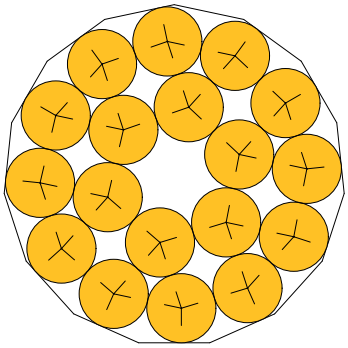
N = 18

18 circles in a pentadecagon



radius = 0.202255567522 density = 0.758313495634
ratio = 4.944239667921 contacts = 42

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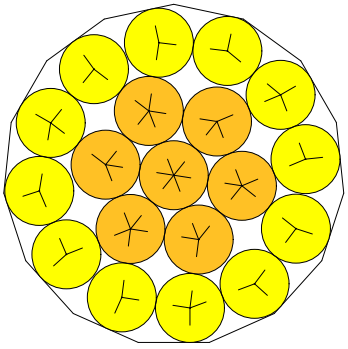
N = 19

19 circles in a pentadecagon



radius = 0.201730511417 density = 0.796291517389
ratio = 4.957108337144 contacts = 42

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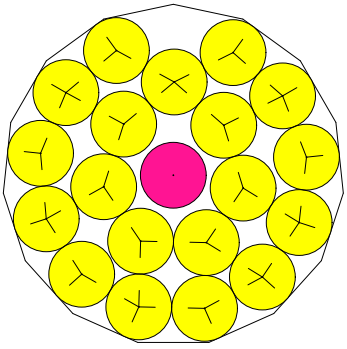
N = 20

20 circles in a pentadecagon



radius = 0.192381611410 density = 0.762311411885
ratio = 5.198001995457 contacts = 38

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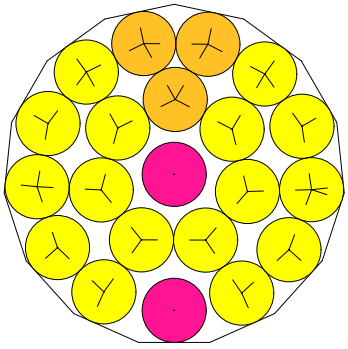
N = 21

21 circles in a pentadecagon



radius = 0.187632715972 density = 0.761398004197
ratio = 5.329560971400 contacts = 39

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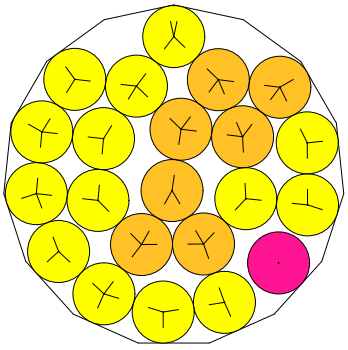
N = 22

22 circles in a pentadecagon



radius = 0.181362657703 density = 0.745235840000
ratio = 5.513814214389 contacts = 43

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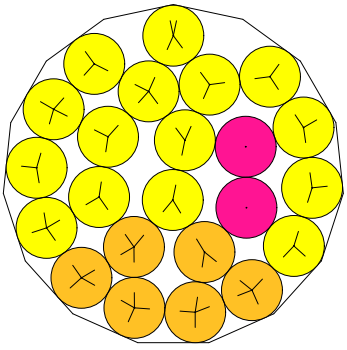
N = 23

23 circles in a pentadecagon



radius = 0.178174367236 density = 0.751958019965
ratio = 5.612479592408 contacts = 43

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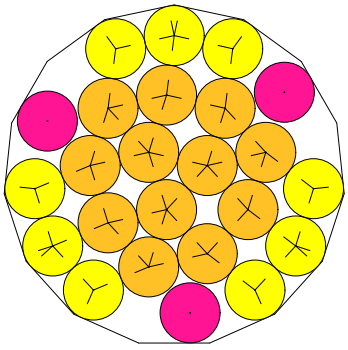
N = 24

24 circles in a pentadecagon



radius = 0.175473627788 density = 0.761044866536
ratio = 5.698862060382 contacts = 48

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