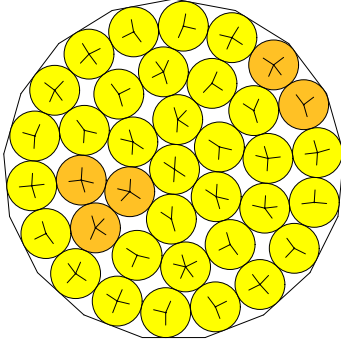


N = 37

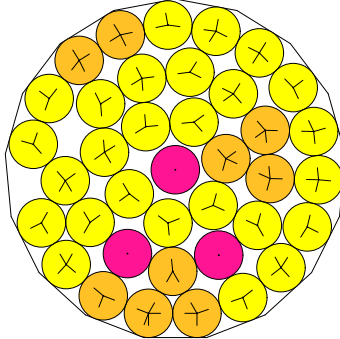
37 circles in a heptadecagon



radius = 0.146005022652 density = 0.806994224018
 ratio = 6.849079448360 contacts = 75

N = 38

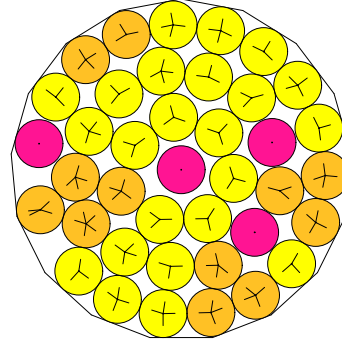
38 circles in a heptadecagon



radius = 0.141992821653 density = 0.783879822890
 ratio = 7.042609537268 contacts = 71

N = 39

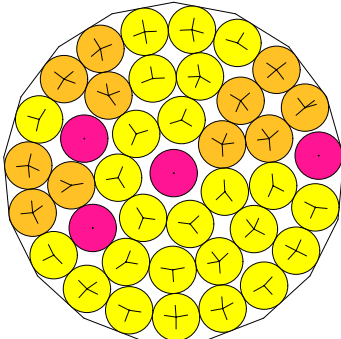
39 circles in a heptadecagon



radius = 0.140132664841 density = 0.783567616420
 ratio = 7.136094936424 contacts = 71

N = 40

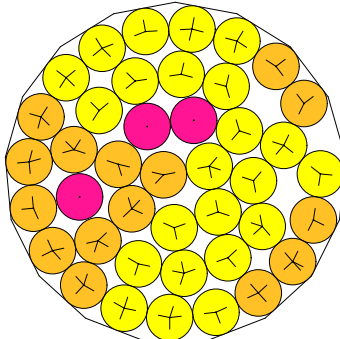
40 circles in a heptadecagon



radius = 0.138730564857 density = 0.787656815074
 ratio = 7.208220001997 contacts = 73

N = 41

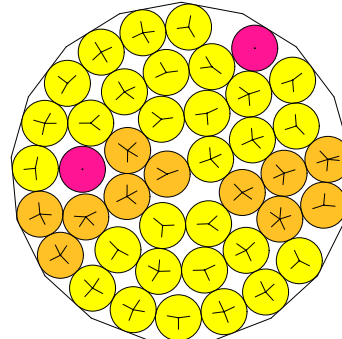
41 circles in a heptadecagon



radius = 0.136258931839 density = 0.778849622841
 ratio = 7.338914576744 contacts = 77

N = 42

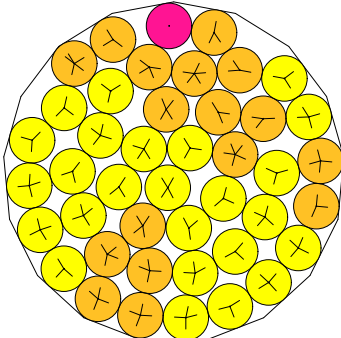
42 circles in a heptadecagon



radius = 0.134681727650 density = 0.779470633984
 ratio = 7.424912179627 contacts = 81

N = 43

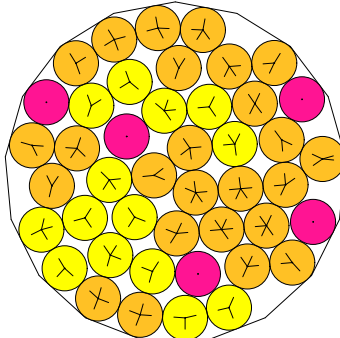
43 circles in a heptadecagon



radius = 0.133273763675 density = 0.7841431458217
 ratio = 7.503352291013 contacts = 85

N = 44

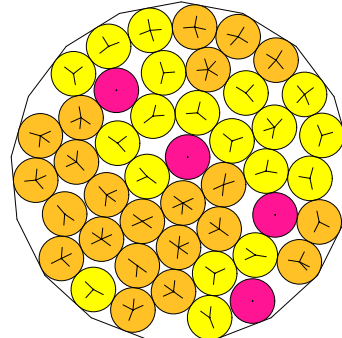
44 circles in a heptadecagon



radius = 0.132010506697 density = 0.784518645163
 ratio = 7.575150375972 contacts = 79

N = 45

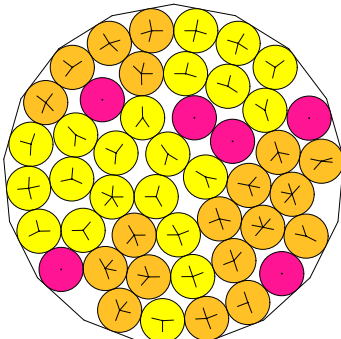
45 circles in a heptadecagon



radius = 0.130501163921 density = 0.784105308707
 ratio = 7.662766905309 contacts = 83

N = 46

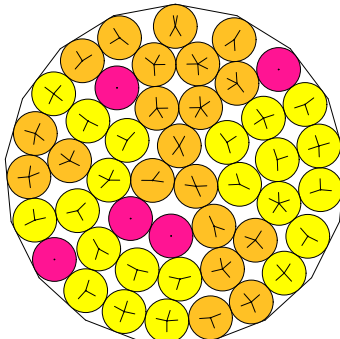
46 circles in a heptadecagon



radius = 0.129279713382 density = 0.786595944719
 ratio = 7.73515663989 contacts = 81

N = 47

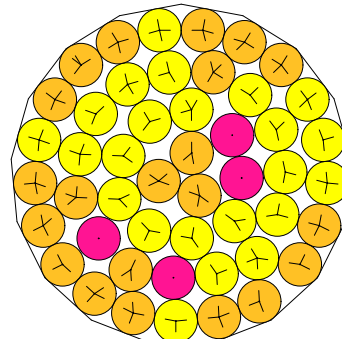
47 circles in a heptadecagon



radius = 0.128109061194 density = 0.789206521629
 ratio = 7.805849059842 contacts = 85

N = 48

48 circles in a heptadecagon



radius = 0.126879617374 density = 0.790602290425
 ratio = 7.881486597347 contacts = 89