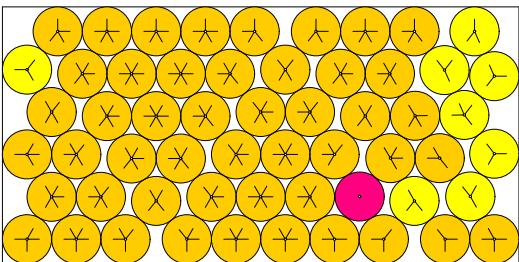


$N = 57$

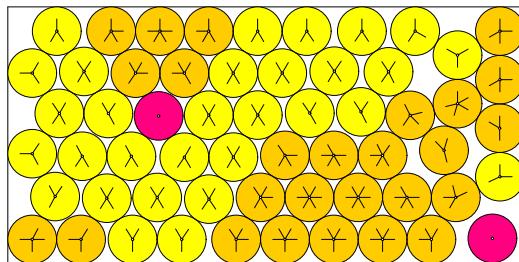
57 circles in a 1x0.50000 rectangle



radius = 0.047653713411 density = 0.813295222844
ratio = 10.492361753269 contacts = 136

$N = 58$

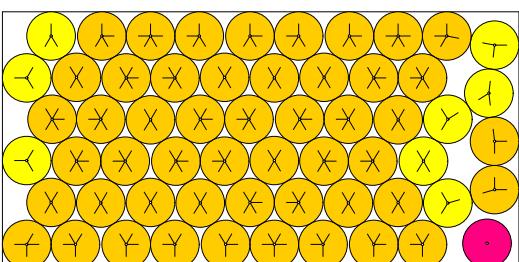
58 circles in a 1x0.50000 rectangle



radius = 0.047243389501 density = 0.813373388693
ratio = 10.583491262594 contacts = 120

$N = 59$

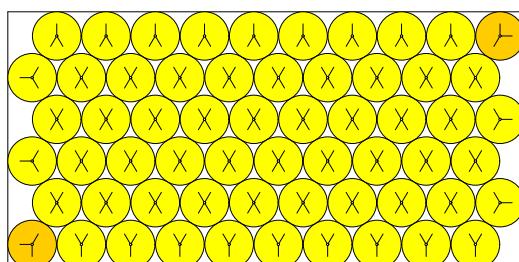
59 circles in a 1x0.50000 rectangle



radius = 0.047126588165 density = 0.823310924998
ratio = 10.609722016039 contacts = 134

$N = 60$

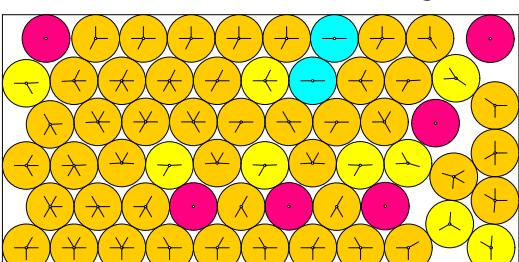
60 circles in a 1x0.50000 rectangle



radius = 0.047069192210 density = 0.835227161250
ratio = 10.622659462061 contacts = 121

$N = 61$

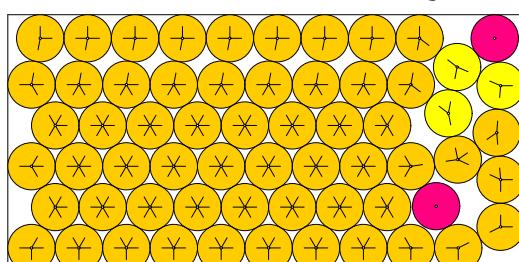
61 circles in a 1x0.50000 rectangle



radius = 0.046225992794 density = 0.818996786818
ratio = 10.816425343762 contacts = 116

$N = 62$

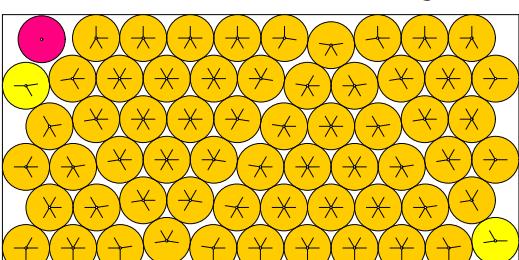
62 circles in a 1x0.50000 rectangle



radius = 0.045895850149 density = 0.820575215805
ratio = 10.894231142470 contacts = 157

$N = 63$

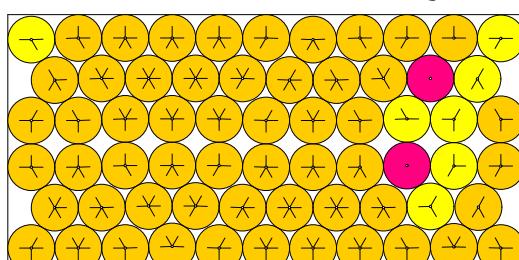
63 circles in a 1x0.50000 rectangle



radius = 0.045599739281 density = 0.823085852530
ratio = 10.964974973104 contacts = 163

$N = 64$

64 circles in a 1x0.50000 rectangle



radius = 0.045462299987 density = 0.831117925188
ratio = 10.998123723275 contacts = 148