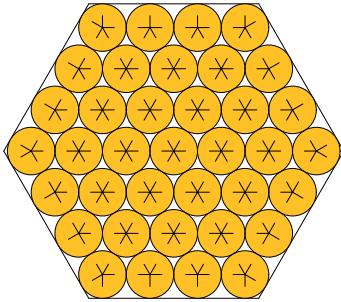
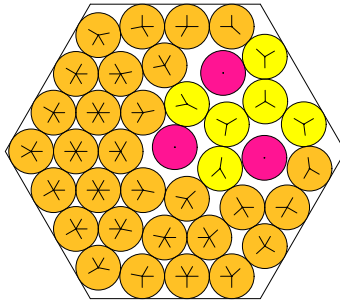


N = 37
37 circles in a hexagon



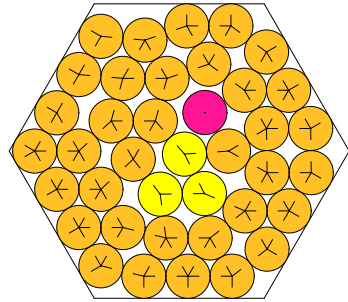
radius = 0.139768253701 density = 0.874010778291
ratio = 7.154700538379 contacts = 114

N = 38
38 circles in a hexagon



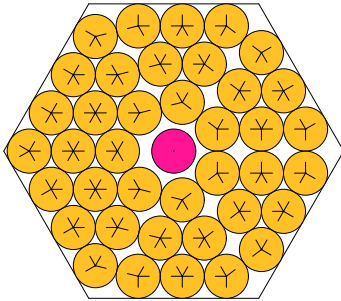
radius = 0.131624252390 density = 0.796073959391
ratio = 7.597384082643 contacts = 84

N = 39
39 circles in a hexagon



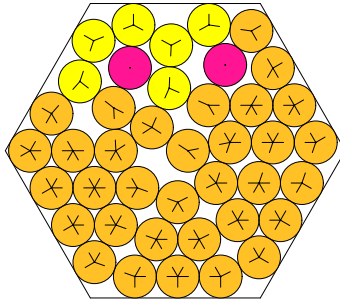
radius = 0.129882647187 density = 0.795545193971
ratio = 7.699257919788 contacts = 89

N = 40
40 circles in a hexagon



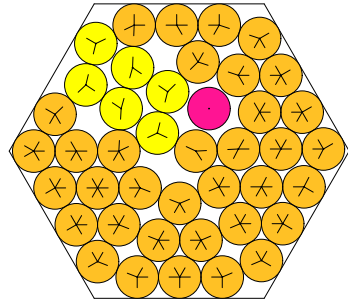
radius = 0.129711778826 density = 0.813798355495
ratio = 7.709400094978 contacts = 101

N = 41
41 circles in a hexagon



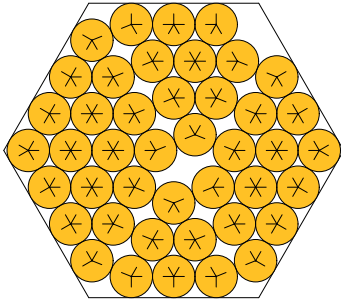
radius = 0.126161767649 density = 0.789109684720
ratio = 7.926331555416 contacts = 92

N = 42
42 circles in a hexagon



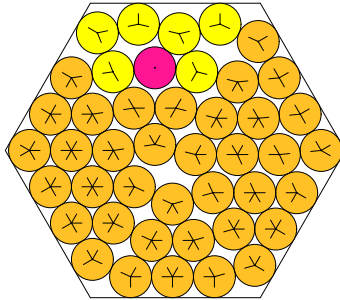
radius = 0.125108623258 density = 0.794916966655
ratio = 7.993054147340 contacts = 98

N = 43
43 circles in a hexagon



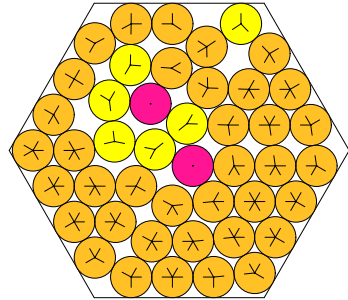
radius = 0.124815220497 density = 0.810030811101
ratio = 8.011843395520 contacts = 115

N = 44
44 circles in a hexagon



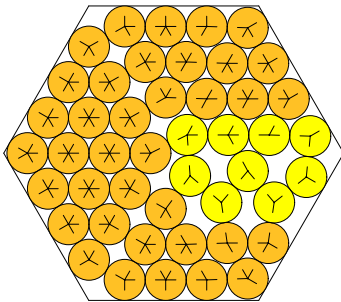
radius = 0.123304689729 density = 0.808930725545
ratio = 8.109977804563 contacts = 103

N = 45
45 circles in a hexagon



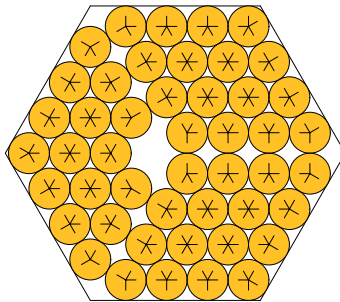
radius = 0.121261865975 density = 0.800127125304
ratio = 8.2466615636011 contacts = 101

N = 46
46 circles in a hexagon



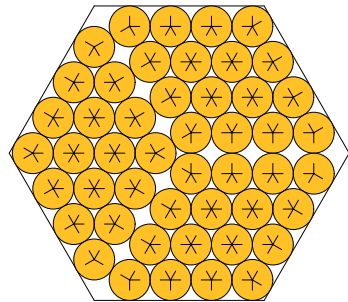
radius = 0.120631837547 density = 0.809430760397
ratio = 8.289685545183 contacts = 112

N = 47
47 circles in a hexagon



radius = 0.120345617062 density = 0.823107199495
ratio = 8.309401076755 contacts = 130

N = 48
48 circles in a hexagon



radius = 0.120345617062 density = 0.840620118633
ratio = 8.309401076755 contacts = 135