

```
clayton avius$ python randEarthworm.py
Earthworm Simulation (c) 2015 Avi Levy
Enter height of bounding box:
Enter width of bounding box:
Enter height of viewport:
Enter width of viewport:
Interactive? [y/n]:
Number of steps: 500
Number of trials: 10
Number of holes: 143
Number of holes: 129
Number of holes: 184
Number of holes: 166
Number of holes: 112
Number of holes: 178
Number of holes: 187
Number of holes: 162
Number of holes: 152
Number of holes: 153
Mean: 156
Run again? [y/n]: y
Earthworm Simulation (c) 2015 Avi Levy
Enter height of bounding box:
Enter width of bounding box:
Enter height of viewport:
Enter width of viewport:
Interactive? [y/n]:
Number of steps: 500
Number of trials: 100
Number of holes: 149
Number of holes: 149
Number of holes: 173
Number of holes: 144
Number of holes: 155
Number of holes: 155
Number of holes: 146
Number of holes: 192
Number of holes: 147
Number of holes: 168
Number of holes: 158
```

Number of holes: 154
Number of holes: 166
Number of holes: 177
Number of holes: 151
Number of holes: 166
Number of holes: 145
Number of holes: 166
Number of holes: 186
Number of holes: 150
Number of holes: 170
Number of holes: 182
Number of holes: 161
Number of holes: 159
Number of holes: 142
Number of holes: 168
Number of holes: 163
Number of holes: 139
Number of holes: 177
Number of holes: 161
Number of holes: 164
Number of holes: 141
Number of holes: 144
Number of holes: 160
Number of holes: 156
Number of holes: 162
Number of holes: 142
Number of holes: 153
Number of holes: 131
Number of holes: 164
Number of holes: 142
Number of holes: 160
Number of holes: 173
Number of holes: 168
Number of holes: 173
Number of holes: 179
Number of holes: 129
Number of holes: 187
Number of holes: 134
Number of holes: 139
Number of holes: 153

Number of holes:	190
Number of holes:	179
Number of holes:	126
Number of holes:	129
Number of holes:	160
Number of holes:	106
Number of holes:	175
Number of holes:	123
Number of holes:	171
Number of holes:	140
Number of holes:	170
Number of holes:	126
Number of holes:	161
Number of holes:	177
Number of holes:	159
Number of holes:	177
Number of holes:	129
Number of holes:	164
Number of holes:	122
Number of holes:	167
Number of holes:	185
Number of holes:	142
Number of holes:	164
Number of holes:	146
Number of holes:	160
Number of holes:	184
Number of holes:	167
Number of holes:	138
Number of holes:	139
Number of holes:	104
Number of holes:	145
Number of holes:	152
Number of holes:	111
Number of holes:	155
Number of holes:	162
Number of holes:	172
Number of holes:	131
Number of holes:	143
Number of holes:	151
Number of holes:	175

Number of holes: 108
Number of holes: 158
Number of holes: 114
Number of holes: 102
Number of holes: 126
Number of holes: 163
Number of holes: 180
Number of holes: 170
Number of holes: 175
Mean: 154
Run again? [y/n]: y
Earthworm Simulation (c) 2015 Avi Levy
Enter height of bounding box:
Enter width of bounding box:
Enter height of viewport:
Enter width of viewport:
Interactive? [y/n]:
Number of steps: 1000
Number of trials: 20
Number of holes: 296
Number of holes: 226
Number of holes: 279
Number of holes: 290
Number of holes: 334
Number of holes: 245
Number of holes: 230
Number of holes: 276
Number of holes: 277
Number of holes: 330
Number of holes: 267
Number of holes: 299
Number of holes: 234
Number of holes: 291
Number of holes: 264
Number of holes: 260
Number of holes: 297
Number of holes: 307
Number of holes: 286
Number of holes: 269
Mean: 277

Run again? [y/n]: y
Earthworm Simulation (c) 2015 Avi Levy
Enter height of bounding box:
Enter width of bounding box:
Enter height of viewport:
Enter width of viewport:
Interactive? [y/n]:
Number of steps: 2000
Number of trials: 20
Number of holes: 380
Number of holes: 571
Number of holes: 417
Number of holes: 535
Number of holes: 461
Number of holes: 410
Number of holes: 345
Number of holes: 388
Number of holes: 477
Number of holes: 501
Number of holes: 425
Number of holes: 560
Number of holes: 452
Number of holes: 447
Number of holes: 487
Number of holes: 418
Number of holes: 419
Number of holes: 423
Number of holes: 422
Number of holes: 382
Mean: 446

Run again? [y/n]: y
Earthworm Simulation (c) 2015 Avi Levy
Enter height of bounding box:
Enter width of bounding box:
Enter height of viewport:
Enter width of viewport:
Interactive? [y/n]:
Number of steps: 4000
Number of trials: 20
Number of holes: 776

Number of holes: 786
Number of holes: 661
Number of holes: 733
Number of holes: 904
Number of holes: 832
Number of holes: 931
Number of holes: 778
Number of holes: 913
Number of holes: 672
Number of holes: 871
Number of holes: 907
Number of holes: 950
Number of holes: 742
Number of holes: 831
Number of holes: 793
Number of holes: 869
Number of holes: 713
Number of holes: 855
Number of holes: 986

Mean: 825

Run again? [y/n]: y

Earthworm Simulation (c) 2015 Avi Levy

Enter height of bounding box:

Enter width of bounding box:

Enter height of viewport:

Enter width of viewport:

Interactive? [y/n]:

Number of steps: 8000

Number of trials: 20

Number of holes: 1211

Number of holes: 1522

Number of holes: 1191

Number of holes: 1265

Number of holes: 1195

Number of holes: 1436

Number of holes: 1451

Number of holes: 1364

Number of holes: 1599

Number of holes: 1534

Number of holes: 1377

Number of holes: 1407
Number of holes: 1497
Number of holes: 1184
Number of holes: 1432
Number of holes: 1293
Number of holes: 932
Number of holes: 1297
Number of holes: 1240
Number of holes: 1247
Mean: 1333
Run again? [y/n]: y
Earthworm Simulation (c) 2015 Avi Levy
Enter height of bounding box:
Enter width of bounding box:
Enter height of viewport:
Enter width of viewport:
Interactive? [y/n]:
Number of steps: 16000
Number of trials: 20
Number of holes: 2474
Number of holes: 2301
Number of holes: 2612
Number of holes: 2571
Number of holes: 2772
Number of holes: 2520
Number of holes: 2788
Number of holes: 2928
Number of holes: 2077
Number of holes: 1975
Number of holes: 3037
Number of holes: 2408
Number of holes: 2009
Number of holes: 2425
Number of holes: 2182
Number of holes: 2706
Number of holes: 2560
Number of holes: 2235
Number of holes: 2098
Number of holes: 2304
Mean: 2449

Run again? [y/n]: y
Earthworm Simulation (c) 2015 Avi Levy
Enter height of bounding box:
Enter width of bounding box:
Enter height of viewport:
Enter width of viewport:
Interactive? [y/n]:
Number of steps: 32000
Number of trials: 20
Number of holes: 3431
Number of holes: 3604
Number of holes: 4412
Number of holes: 3879
Number of holes: 3682
Number of holes: 3507
Number of holes: 4294
Number of holes: 4398
Number of holes: 3869
Number of holes: 3671
Number of holes: 3224
Number of holes: 4235
Number of holes: 3841
Number of holes: 4076
Number of holes: 3102
Number of holes: 4464
Number of holes: 3548
Number of holes: 4758
Number of holes: 3113
Number of holes: 3475
Mean: 3829

Run again? [y/n]: y
Earthworm Simulation (c) 2015 Avi Levy
Enter height of bounding box:
Enter width of bounding box:
Enter height of viewport:
Enter width of viewport:
Interactive? [y/n]:
Number of steps: 64000
Number of trials: 20
Number of holes: 7928


```
Number of holes: 7430
Number of holes: 7879
Number of holes: 6792
Number of holes: 6050
Number of holes: 7288
Number of holes: 7295
Number of holes: 7648
Number of holes: 6301
Number of holes: 6790
Number of holes: 6788
Number of holes: 6733
Number of holes: 6128
Number of holes: 8279
Number of holes: 6413
Number of holes: 7797
Number of holes: 6892
Number of holes: 6623
Number of holes: 7215
Number of holes: 5722
Mean: 6999
Run again? [y/n]: y
Earthworm Simulation (c) 2015 Avi Levy
Enter height of bounding box:
Enter width of bounding box:
Enter height of viewport:
Enter width of viewport:
Interactive? [y/n]:
Number of steps: 128000
Number of trials: 20
Number of holes: 8510
Number of holes: 11288
Number of holes: 11465
Number of holes: 10198
Number of holes: 10480
Number of holes: 10615
Trials invalidated, hit the boundary at iteration
117728 / 128000
Run again? [y/n]: n
clayton avius$
```