

data_0.5_2.2_001900 Results

STAT_n passed - 65536 is the same as expected 65536

STAT_e passed - 1634 is the same as expected 1634

STAT_n_D passed - 32713 is the same as expected 32713

STAT_n_A passed - 32823 is the same as expected 32823

STAT_CC_D passed - 2 is the same as expected 2

STAT_CC_A passed - 1 is the same as expected 1

STAT_CC_D_An passed - 1 is the same as expected 1

STAT_CC_A_Ca passed - 1 is the same as expected 1

ABS_f_D passed - 0.4991607666015625 is the same as expected 0.499161

DISS_wf10_D failed - 0.2399229830361943 is not the same as expected 0.219256

DISS_f10_D passed - 0.42820896891144195 is the same as expected 0.428209

CT_f_e_conn passed - 0.7821297429620563 is the same as expected 0.78213

CT_f_conn_D_An passed - 0.870266 is the same as expected 0.870266

CT_f_conn_A_Ca passed - 1.0 is the same as expected 1

CT_e_conn passed - 1278 is the same as expected 1278

CT_e_D_An passed - 1278 is the same as expected 1278

CT_e_A_Ca failed - 1634 is not the same as expected 1638

CT_f_D_tort1 passed - 0.9691594365801398 is the same as expected 0.969159

CT_f_A_tort1 passed - 0.7340279681930354 is the same as expected 0.734028

```
{'STAT_n': 65536, 'STAT_e': 1634, 'STAT_n_D': 32713, 'STAT_n_A': 32823, 'STAT_CC_D': 2,
'STAT_CC_A': 1, 'STAT_CC_D_An': 1, 'STAT_CC_A_Ca': 1, 'ABS_f_D': 0.4991607666015625,
'DISS_f10_D': 0.42820896891144195, 'DISS_wf10_D': 0.2399229830361943, 'CT_f_e_conn':
0.7821297429620563, 'CT_f_conn_D_An': 0.870266, 'CT_f_conn_A_Ca': 1.0, 'CT_e_conn': 1278,
'CT_e_D_An': 1278, 'CT_e_A_Ca': 1634, 'CT_n_D_adj_An': 512, 'CT_n_A_adj_Ca': 512, 'CT_f_D_tort1':
0.9691594365801398, 'CT_f_A_tort1': 0.7340279681930354}
```



data_0.586_3.2_003200 Results

STAT_n passed - 65536 is the same as expected 65536

STAT_e passed - 2286 is the same as expected 2286

STAT_n_D passed - 26878 is the same as expected 26878

STAT_n_A passed - 38658 is the same as expected 38658

STAT_CC_D passed - 9 is the same as expected 9

STAT_CC_A passed - 1 is the same as expected 1

STAT_CC_D_An passed - 1 is the same as expected 1

STAT_CC_A_Ca passed - 1 is the same as expected 1

ABS_f_D passed - 0.410125732421875 is the same as expected 0.410126

DISS_wf10_D failed - 0.33819093876657086 is not the same as expected 0.318549

DISS_f10_D passed - 0.5861299203809808 is the same as expected 0.58613

CT_f_e_conn passed - 0.32720909886264216 is the same as expected 0.327209

CT_f_conn_D_An passed - 0.402448 is the same as expected 0.402448

CT_f_conn_A_Ca passed - 1.0 is the same as expected 1

CT_e_conn passed - 748 is the same as expected 748

CT_e_D_An passed - 748 is the same as expected 748

CT_e_A_Ca failed - 2286 is not the same as expected 2318

CT_f_D_tort1 passed - 1.0 is the same as expected 1

CT_f_A_tort1 passed - 0.5224274406332454 is the same as expected 0.522427

```
{'STAT_n': 65536, 'STAT_e': 2286, 'STAT_n_D': 26878, 'STAT_n_A': 38658, 'STAT_CC_D': 9,
'STAT_CC_A': 1, 'STAT_CC_D_An': 1, 'STAT_CC_A_Ca': 1, 'ABS_f_D': 0.410125732421875,
'DISS_f10_D': 0.5861299203809808, 'DISS_wf10_D': 0.33819093876657086, 'CT_f_e_conn':
0.32720909886264216, 'CT_f_conn_D_An': 0.402448, 'CT_f_conn_A_Ca': 1.0, 'CT_e_conn': 748,
'CT_e_D_An': 748, 'CT_e_A_Ca': 2286, 'CT_n_D_adj_An': 512, 'CT_n_A_adj_Ca': 512, 'CT_f_D_tort1':
1.0, 'CT_f_A_tort1': 0.5224274406332454}
```



data_0.558_3.4_000040 Results

STAT_n passed - 65536 is the same as expected 65536

STAT_e passed - 7558 is the same as expected 7558

STAT_n_D passed - 28076 is the same as expected 28076

STAT_n_A passed - 37460 is the same as expected 37460

STAT_CC_D passed - 45 is the same as expected 45

STAT_CC_A passed - 2 is the same as expected 2

STAT_CC_D_An passed - 1 is the same as expected 1

STAT_CC_A_Ca passed - 1 is the same as expected 1

ABS_f_D passed - 0.42840576171875 is the same as expected 0.428406

DISS_wf10_D failed - 0.7098433922515612 is not the same as expected 0.70927

DISS_f10_D passed - 0.9952272403476279 is the same as expected 0.995227

CT_f_e_conn passed - 0.18629267001852343 is the same as expected 0.186293

CT_f_conn_D_An passed - 0.274327 is the same as expected 0.274327

CT_f_conn_A_Ca passed - 0.995382 is the same as expected 0.995382

CT_e_conn passed - 1408 is the same as expected 1408

CT_e_D_An passed - 1470 is the same as expected 1470

CT_e_A_Ca failed - 7496 is not the same as expected 7664

CT_f_D_tort1 passed - 0.700077901843677 is the same as expected 0.700078

CT_f_A_tort1 passed - 0.2088127229329257 is the same as expected 0.208813

{'STAT_n': 65536, 'STAT_e': 7558, 'STAT_n_D': 28076, 'STAT_n_A': 37460, 'STAT_CC_D': 45, 'STAT_CC_A': 2, 'STAT_CC_D_An': 1, 'STAT_CC_A_Ca': 1, 'ABS_f_D': 0.42840576171875, 'DISS_f10_D': 0.9952272403476279, 'DISS_wf10_D': 0.7098433922515612, 'CT_f_e_conn': 0.18629267001852343, 'CT_f_conn_D_An': 0.274327, 'CT_f_conn_A_Ca': 0.995382, 'CT_e_conn': 1408, 'CT_e_D_An': 1470, 'CT_e_A_Ca': 7496, 'CT_n_D_adj_An': 512, 'CT_n_A_adj_Ca': 512, 'CT_f_D_tort1': 0.700077901843677, 'CT_f_A_tort1': 0.2088127229329257}



data_0.514_3.4_000500 Results

STAT_n passed - 65536 is the same as expected 65536

STAT_e passed - 3754 is the same as expected 3754

STAT_n_D passed - 31856 is the same as expected 31856

STAT_n_A passed - 33680 is the same as expected 33680

STAT_CC_D passed - 5 is the same as expected 5

STAT_CC_A passed - 4 is the same as expected 4

STAT_CC_D_An passed - 1 is the same as expected 1

STAT_CC_A_Ca passed - 1 is the same as expected 1

ABS_f_D passed - 0.486083984375 is the same as expected 0.486084

DISS_wf10_D failed - 0.4779650098602416 is not the same as expected 0.46569

DISS_f10_D passed - 0.8710447011551984 is the same as expected 0.871045

CT_f_e_conn failed - 0.23947789025039956 is not the same as expected 0.582845

CT_f_conn_D_An passed - 0.772884 is the same as expected 0.772884

CT_f_conn_A_Ca passed - 0.900713 is the same as expected 0.900713

CT_e_conn failed - 899 is not the same as expected 2188

CT_e_D_An failed - 2572 is not the same as expected 2700

CT_e_A_Ca failed - 2081 is not the same as expected 3270

CT_f_D_tort1 passed - 0.4169611307420495 is the same as expected 0.416961

CT_f_A_tort1 passed - 0.330498417721519 is the same as expected 0.330498

{'STAT_n': 65536, 'STAT_e': 3754, 'STAT_n_D': 31856, 'STAT_n_A': 33680, 'STAT_CC_D': 5, 'STAT_CC_A': 4, 'STAT_CC_D_An': 1, 'STAT_CC_A_Ca': 1, 'ABS_f_D': 0.486083984375, 'DISS_f10_D': 0.8710447011551984, 'DISS_wf10_D': 0.4779650098602416, 'CT_f_e_conn': 0.23947789025039956, 'CT_f_conn_D_An': 0.772884, 'CT_f_conn_A_Ca': 0.900713, 'CT_e_conn': 899, 'CT_e_D_An': 2572, 'CT_e_A_Ca': 2081, 'CT_n_D_adj_An': 512, 'CT_n_A_adj_Ca': 512, 'CT_f_D_tort1': 0.4169611307420495, 'CT_f_A_tort1': 0.330498417721519}



data_0.586_3.6_007220 Results

STAT_n passed - 65536 is the same as expected 65536

STAT_e passed - 1900 is the same as expected 1900

STAT_n_D passed - 27221 is the same as expected 27221

STAT_n_A passed - 38315 is the same as expected 38315

STAT_CC_D passed - 5 is the same as expected 5

STAT_CC_A passed - 1 is the same as expected 1

STAT_CC_D_An passed - 1 is the same as expected 1

STAT_CC_A_Ca passed - 1 is the same as expected 1

ABS_f_D passed - 0.4153594970703125 is the same as expected 0.415359

DISS_wf10_D failed - 0.2925330514289575 is not the same as expected 0.274101

DISS_f10_D failed - 0.5086146724954999 is not the same as expected 0.508651

CT_f_e_conn passed - 0.3684210526315789 is the same as expected 0.368421

CT_f_conn_D_An passed - 0.384225 is the same as expected 0.384225

CT_f_conn_A_Ca passed - 1.0 is the same as expected 1

CT_e_conn passed - 700 is the same as expected 700

CT_e_D_An passed - 700 is the same as expected 700

CT_e_A_Ca failed - 1900 is not the same as expected 1916

CT_f_D_tort1 passed - 1.0 is the same as expected 1

CT_f_A_tort1 passed - 0.623489494975858 is the same as expected 0.623489

```
{'STAT_n': 65536, 'STAT_e': 1900, 'STAT_n_D': 27221, 'STAT_n_A': 38315, 'STAT_CC_D': 5,
'STAT_CC_A': 1, 'STAT_CC_D_An': 1, 'STAT_CC_A_Ca': 1, 'ABS_f_D': 0.4153594970703125,
'DISS_f10_D': 0.5086146724954999, 'DISS_wf10_D': 0.2925330514289575, 'CT_f_e_conn':
0.3684210526315789, 'CT_f_conn_D_An': 0.384225, 'CT_f_conn_A_Ca': 1.0, 'CT_e_conn': 700,
'CT_e_D_An': 700, 'CT_e_A_Ca': 1900, 'CT_n_D_adj_An': 512, 'CT_n_A_adj_Ca': 512, 'CT_f_D_tort1':
1.0, 'CT_f_A_tort1': 0.623489494975858}
```



data_0.528_3.2_000880 Results

STAT_n passed - 65536 is the same as expected 65536

STAT_e passed - 3146 is the same as expected 3146

STAT_n_D passed - 30757 is the same as expected 30757

STAT_n_A passed - 34779 is the same as expected 34779

STAT_CC_D passed - 7 is the same as expected 7

STAT_CC_A passed - 4 is the same as expected 4

STAT_CC_D_An passed - 1 is the same as expected 1

STAT_CC_A_Ca passed - 1 is the same as expected 1

ABS_f_D passed - 0.4693145751953125 is the same as expected 0.469315

DISS_wf10_D failed - 0.4239192711701412 is not the same as expected 0.40376

DISS_f10_D failed - 0.7693533179438827 is not the same as expected 0.769418

CT_f_e_conn passed - 0.5155753337571519 is the same as expected 0.515575

CT_f_conn_D_An passed - 0.6975 is the same as expected 0.6975

CT_f_conn_A_Ca passed - 0.957704 is the same as expected 0.957704

CT_e_conn passed - 1622 is the same as expected 1622

CT_e_D_An failed - 1870 is not the same as expected 1882

CT_e_A_Ca failed - 2898 is not the same as expected 2922

CT_f_D_tort1 passed - 0.6351093087213909 is the same as expected 0.635109

CT_f_A_tort1 passed - 0.37042152035547016 is the same as expected 0.370422

{'STAT_n': 65536, 'STAT_e': 3146, 'STAT_n_D': 30757, 'STAT_n_A': 34779, 'STAT_CC_D': 7, 'STAT_CC_A': 4, 'STAT_CC_D_An': 1, 'STAT_CC_A_Ca': 1, 'ABS_f_D': 0.4693145751953125, 'DISS_f10_D': 0.7693533179438827, 'DISS_wf10_D': 0.4239192711701412, 'CT_f_e_conn': 0.5155753337571519, 'CT_f_conn_D_An': 0.6975, 'CT_f_conn_A_Ca': 0.957704, 'CT_e_conn': 1622, 'CT_e_D_An': 1870, 'CT_e_A_Ca': 2898, 'CT_n_D_adj_An': 512, 'CT_n_A_adj_Ca': 512, 'CT_f_D_tort1': 0.6351093087213909, 'CT_f_A_tort1': 0.37042152035547016}



data_0.5_2.6_004020 Results

STAT_n passed - 65536 is the same as expected 65536

STAT_e passed - 1280 is the same as expected 1280

STAT_n_D passed - 32927 is the same as expected 32927

STAT_n_A passed - 32609 is the same as expected 32609

STAT_CC_D passed - 1 is the same as expected 1

STAT_CC_A passed - 2 is the same as expected 2

STAT_CC_D_An passed - 1 is the same as expected 1

STAT_CC_A_Ca passed - 1 is the same as expected 1

ABS_f_D passed - 0.5024261474609375 is the same as expected 0.502426

DISS_wf10_D failed - 0.18204917424739606 is not the same as expected 0.165881

DISS_f10_D failed - 0.3208612992377077 is not the same as expected 0.320922

CT_f_e_conn passed - 0.78125 is the same as expected 0.78125

CT_f_conn_D_An passed - 1.0 is the same as expected 1

CT_f_conn_A_Ca passed - 0.897912 is the same as expected 0.897912

CT_e_conn passed - 1000 is the same as expected 1000

CT_e_D_An failed - 1280 is not the same as expected 1284

CT_e_A_Ca passed - 1000 is the same as expected 1000

CT_f_D_tort1 passed - 0.7177088711391867 is the same as expected 0.717709

CT_f_A_tort1 passed - 0.9097677595628415 is the same as expected 0.909768

```
{'STAT_n': 65536, 'STAT_e': 1280, 'STAT_n_D': 32927, 'STAT_n_A': 32609, 'STAT_CC_D': 1,
'STAT_CC_A': 2, 'STAT_CC_D_An': 1, 'STAT_CC_A_Ca': 1, 'ABS_f_D': 0.5024261474609375,
'DISS_f10_D': 0.3208612992377077, 'DISS_wf10_D': 0.18204917424739606, 'CT_f_e_conn': 0.78125,
'CT_f_conn_D_An': 1.0, 'CT_f_conn_A_Ca': 0.897912, 'CT_e_conn': 1000, 'CT_e_D_An': 1280,
'CT_e_A_Ca': 1000, 'CT_n_D_adj_An': 512, 'CT_n_A_adj_Ca': 512, 'CT_f_D_tort1':
0.7177088711391867, 'CT_f_A_tort1': 0.9097677595628415}
```



data_0.558_3.6_000420 Results

STAT_n passed - 65536 is the same as expected 65536

STAT_e passed - 3808 is the same as expected 3808

STAT_n_D passed - 28908 is the same as expected 28908

STAT_n_A passed - 36628 is the same as expected 36628

STAT_CC_D passed - 13 is the same as expected 13

STAT_CC_A passed - 1 is the same as expected 1

STAT_CC_D_An passed - 1 is the same as expected 1

STAT_CC_A_Ca passed - 1 is the same as expected 1

ABS_f_D passed - 0.44110107421875 is the same as expected 0.441101

DISS_wf10_D failed - 0.4889250035241745 is not the same as expected 0.476888

DISS_f10_D failed - 0.859796596097966 is not the same as expected 0.859831

CT_f_e_conn passed - 0.24002100840336135 is the same as expected 0.240021

CT_f_conn_D_An passed - 0.328041 is the same as expected 0.328041

CT_f_conn_A_Ca passed - 1.0 is the same as expected 1

CT_e_conn passed - 914 is the same as expected 914

CT_e_D_An passed - 914 is the same as expected 914

CT_e_A_Ca failed - 3756 is not the same as expected 3856

CT_f_D_tort1 passed - 0.9656226932405357 is the same as expected 0.965623

CT_f_A_tort1 passed - 0.24836190892213608 is the same as expected 0.248362

{'STAT_n': 65536, 'STAT_e': 3808, 'STAT_n_D': 28908, 'STAT_n_A': 36628, 'STAT_CC_D': 13, 'STAT_CC_A': 1, 'STAT_CC_D_An': 1, 'STAT_CC_A_Ca': 1, 'ABS_f_D': 0.44110107421875, 'DISS_f10_D': 0.859796596097966, 'DISS_wf10_D': 0.4889250035241745, 'CT_f_e_conn': 0.24002100840336135, 'CT_f_conn_D_An': 0.328041, 'CT_f_conn_A_Ca': 1.0, 'CT_e_conn': 914, 'CT_e_D_An': 914, 'CT_e_A_Ca': 3756, 'CT_n_D_adj_An': 512, 'CT_n_A_adj_Ca': 512, 'CT_f_D_tort1': 0.9656226932405357, 'CT_f_A_tort1': 0.24836190892213608}



data_0.514_2.6_000980 Results

STAT_n passed - 65536 is the same as expected 65536

STAT_e passed - 1768 is the same as expected 1768

STAT_n_D passed - 31663 is the same as expected 31663

STAT_n_A passed - 33873 is the same as expected 33873

STAT_CC_D passed - 3 is the same as expected 3

STAT_CC_A passed - 2 is the same as expected 2

STAT_CC_D_An passed - 1 is the same as expected 1

STAT_CC_A_Ca passed - 1 is the same as expected 1

ABS_f_D passed - 0.4831390380859375 is the same as expected 0.483139

DISS_wf10_D failed - 0.25039100514072454 is not the same as expected 0.229919

DISS_f10_D failed - 0.44228279063891607 is not the same as expected 0.442346

CT_f_e_conn passed - 0.45361990950226244 is the same as expected 0.45362

CT_f_conn_D_An passed - 0.760604 is the same as expected 0.760604

CT_f_conn_A_Ca passed - 0.837629 is the same as expected 0.837629

CT_e_conn passed - 802 is the same as expected 802

CT_e_D_An failed - 1172 is not the same as expected 1176

CT_e_A_Ca failed - 1398 is not the same as expected 1406

CT_f_D_tort1 passed - 0.6938919569821036 is the same as expected 0.693892

CT_f_A_tort1 passed - 0.5627533218200402 is the same as expected 0.562753

```
{'STAT_n': 65536, 'STAT_e': 1768, 'STAT_n_D': 31663, 'STAT_n_A': 33873, 'STAT_CC_D': 3,
'STAT_CC_A': 2, 'STAT_CC_D_An': 1, 'STAT_CC_A_Ca': 1, 'ABS_f_D': 0.4831390380859375,
'DISS_f10_D': 0.44228279063891607, 'DISS_wf10_D': 0.25039100514072454, 'CT_f_e_conn':
0.45361990950226244, 'CT_f_conn_D_An': 0.760604, 'CT_f_conn_A_Ca': 0.837629, 'CT_e_conn': 802,
'CT_e_D_An': 1172, 'CT_e_A_Ca': 1398, 'CT_n_D_adj_An': 512, 'CT_n_A_adj_Ca': 512, 'CT_f_D_tort1':
0.6938919569821036, 'CT_f_A_tort1': 0.5627533218200402}
```



data_0.514_4.0_000040 Results

STAT_n passed - 65536 is the same as expected 65536

STAT_e passed - 7060 is the same as expected 7060

STAT_n_D passed - 31979 is the same as expected 31979

STAT_n_A passed - 33557 is the same as expected 33557

STAT_CC_D passed - 11 is the same as expected 11

STAT_CC_A passed - 9 is the same as expected 9

STAT_CC_D_An passed - 1 is the same as expected 1

STAT_CC_A_Ca passed - 1 is the same as expected 1

ABS_f_D passed - 0.4879608154296875 is the same as expected 0.487961

DISS_wf10_D failed - 0.6783551704609718 is not the same as expected 0.677784

DISS_f10_D passed - 0.9949341755527065 is the same as expected 0.994934

CT_f_e_conn failed - 0.24390934844192635 is not the same as expected 0.385836

CT_f_conn_D_An passed - 0.855999 is the same as expected 0.855999

CT_f_conn_A_Ca passed - 0.617248 is the same as expected 0.617248

CT_e_conn failed - 1722 is not the same as expected 2724

CT_e_D_An failed - 5487 is not the same as expected 5759

CT_e_A_Ca failed - 3083 is not the same as expected 4036

CT_f_D_tort1 passed - 0.25009132753707897 is the same as expected 0.250091

CT_f_A_tort1 passed - 0.3293100951093516 is the same as expected 0.32931

{'STAT_n': 65536, 'STAT_e': 7060, 'STAT_n_D': 31979, 'STAT_n_A': 33557, 'STAT_CC_D': 11, 'STAT_CC_A': 9, 'STAT_CC_D_An': 1, 'STAT_CC_A_Ca': 1, 'ABS_f_D': 0.4879608154296875, 'DISS_f10_D': 0.9949341755527065, 'DISS_wf10_D': 0.6783551704609718, 'CT_f_e_conn': 0.24390934844192635, 'CT_f_conn_D_An': 0.855999, 'CT_f_conn_A_Ca': 0.617248, 'CT_e_conn': 1722, 'CT_e_D_An': 5487, 'CT_e_A_Ca': 3083, 'CT_n_D_adj_An': 512, 'CT_n_A_adj_Ca': 512, 'CT_f_D_tort1': 0.25009132753707897, 'CT_f_A_tort1': 0.3293100951093516}



data_0.5_3.6_000540 Results

STAT_n passed - 65536 is the same as expected 65536

STAT_e passed - 3628 is the same as expected 3628

STAT_n_D passed - 32832 is the same as expected 32832

STAT_n_A passed - 32704 is the same as expected 32704

STAT_CC_D passed - 4 is the same as expected 4

STAT_CC_A passed - 4 is the same as expected 4

STAT_CC_D_An passed - 1 is the same as expected 1

STAT_CC_A_Ca passed - 1 is the same as expected 1

ABS_f_D passed - 0.5009765625 is the same as expected 0.500977

DISS_wf10_D failed - 0.45355902754149263 is not the same as expected 0.437716

DISS_f10_D passed - 0.8067129629629629 is the same as expected 0.806713

CT_f_e_conn failed - 0.1954244762954796 is not the same as expected 0.342889

CT_f_conn_D_An passed - 0.846278 is the same as expected 0.846278

CT_f_conn_A_Ca passed - 0.611943 is the same as expected 0.611943

CT_e_conn failed - 709 is not the same as expected 1244

CT_e_D_An failed - 2470 is not the same as expected 2842

CT_e_A_Ca failed - 1867 is not the same as expected 2054

CT_f_D_tort1 passed - 0.3642612920640633 is the same as expected 0.364261

CT_f_A_tort1 passed - 0.4631489531804327 is the same as expected 0.463149

{'STAT_n': 65536, 'STAT_e': 3628, 'STAT_n_D': 32832, 'STAT_n_A': 32704, 'STAT_CC_D': 4, 'STAT_CC_A': 4, 'STAT_CC_D_An': 1, 'STAT_CC_A_Ca': 1, 'ABS_f_D': 0.5009765625, 'DISS_f10_D': 0.8067129629629629, 'DISS_wf10_D': 0.45355902754149263, 'CT_f_e_conn': 0.1954244762954796, 'CT_f_conn_D_An': 0.846278, 'CT_f_conn_A_Ca': 0.611943, 'CT_e_conn': 709, 'CT_e_D_An': 2470, 'CT_e_A_Ca': 1867, 'CT_n_D_adj_An': 512, 'CT_n_A_adj_Ca': 512, 'CT_f_D_tort1': 0.3642612920640633, 'CT_f_A_tort1': 0.4631489531804327}



data_0.528_3.8_007080 Results

STAT_n passed - 65536 is the same as expected 65536

STAT_e passed - 1880 is the same as expected 1880

STAT_n_D passed - 30944 is the same as expected 30944

STAT_n_A passed - 34592 is the same as expected 34592

STAT_CC_D passed - 2 is the same as expected 2

STAT_CC_A passed - 1 is the same as expected 1

STAT_CC_D_An passed - 1 is the same as expected 1

STAT_CC_A_Ca passed - 1 is the same as expected 1

ABS_f_D passed - 0.47216796875 is the same as expected 0.472168

DISS_wf10_D failed - 0.2687111765905541 is not the same as expected 0.248205

DISS_f10_D failed - 0.4700749741468459 is not the same as expected 0.470204

CT_f_e_conn passed - 0.676595744680851 is the same as expected 0.676596

CT_f_conn_D_An passed - 0.639575 is the same as expected 0.639575

CT_f_conn_A_Ca passed - 1.0 is the same as expected 1

CT_e_conn passed - 1272 is the same as expected 1272

CT_e_D_An passed - 1272 is the same as expected 1272

CT_e_A_Ca failed - 1880 is not the same as expected 1884

CT_f_D_tort1 passed - 0.5450457278560962 is the same as expected 0.545046

CT_f_A_tort1 passed - 0.5341697502312673 is the same as expected 0.53417

{'STAT_n': 65536, 'STAT_e': 1880, 'STAT_n_D': 30944, 'STAT_n_A': 34592, 'STAT_CC_D': 2, 'STAT_CC_A': 1, 'STAT_CC_D_An': 1, 'STAT_CC_A_Ca': 1, 'ABS_f_D': 0.47216796875, 'DISS_f10_D': 0.4700749741468459, 'DISS_wf10_D': 0.2687111765905541, 'CT_f_e_conn': 0.676595744680851, 'CT_f_conn_D_An': 0.639575, 'CT_f_conn_A_Ca': 1.0, 'CT_e_conn': 1272, 'CT_e_D_An': 1272, 'CT_e_A_Ca': 1880, 'CT_n_D_adj_An': 512, 'CT_n_A_adj_Ca': 512, 'CT_f_D_tort1': 0.5450457278560962, 'CT_f_A_tort1': 0.5341697502312673}



data_0.528_3.8_000100 Results

STAT_n passed - 65536 is the same as expected 65536

STAT_e passed - 5722 is the same as expected 5722

STAT_n_D passed - 30834 is the same as expected 30834

STAT_n_A passed - 34702 is the same as expected 34702

STAT_CC_D passed - 16 is the same as expected 16

STAT_CC_A passed - 3 is the same as expected 3

STAT_CC_D_An passed - 1 is the same as expected 1

STAT_CC_A_Ca passed - 1 is the same as expected 1

ABS_f_D passed - 0.470489501953125 is the same as expected 0.47049

DISS_wf10_D failed - 0.6204377871323797 is not the same as expected 0.619668

DISS_f10_D passed - 0.992929882597133 is the same as expected 0.99293

CT_f_e_conn passed - 0.32401258301293256 is the same as expected 0.324013

CT_f_conn_D_An passed - 0.404553 is the same as expected 0.404553

CT_f_conn_A_Ca passed - 0.992364 is the same as expected 0.992364

CT_e_conn passed - 1854 is the same as expected 1854

CT_e_D_An failed - 1966 is not the same as expected 1973

CT_e_A_Ca failed - 5610 is not the same as expected 5669

CT_f_D_tort1 passed - 0.5872214205547539 is the same as expected 0.587221

CT_f_A_tort1 passed - 0.22414844498649708 is the same as expected 0.224148

{'STAT_n': 65536, 'STAT_e': 5722, 'STAT_n_D': 30834, 'STAT_n_A': 34702, 'STAT_CC_D': 16, 'STAT_CC_A': 3, 'STAT_CC_D_An': 1, 'STAT_CC_A_Ca': 1, 'ABS_f_D': 0.470489501953125, 'DISS_f10_D': 0.992929882597133, 'DISS_wf10_D': 0.6204377871323797, 'CT_f_e_conn': 0.32401258301293256, 'CT_f_conn_D_An': 0.404553, 'CT_f_conn_A_Ca': 0.992364, 'CT_e_conn': 1854, 'CT_e_D_An': 1966, 'CT_e_A_Ca': 5610, 'CT_n_D_adj_An': 512, 'CT_n_A_adj_Ca': 512, 'CT_f_D_tort1': 0.5872214205547539, 'CT_f_A_tort1': 0.22414844498649708}



data_0.586_4.0_006740 Results

STAT_n passed - 65536 is the same as expected 65536

STAT_e passed - 1848 is the same as expected 1848

STAT_n_D passed - 27323 is the same as expected 27323

STAT_n_A passed - 38213 is the same as expected 38213

STAT_CC_D passed - 4 is the same as expected 4

STAT_CC_A passed - 1 is the same as expected 1

STAT_CC_D_An passed - 1 is the same as expected 1

STAT_CC_A_Ca passed - 1 is the same as expected 1

ABS_f_D passed - 0.4169158935546875 is the same as expected 0.416916

DISS_wf10_D failed - 0.2894795220130906 is not the same as expected 0.270383

DISS_f10_D failed - 0.502470446144274 is not the same as expected 0.502544

CT_f_e_conn passed - 0.31385281385281383 is the same as expected 0.313853

CT_f_conn_D_An passed - 0.207151 is the same as expected 0.207151

CT_f_conn_A_Ca passed - 1.0 is the same as expected 1

CT_e_conn passed - 580 is the same as expected 580

CT_e_D_An passed - 580 is the same as expected 580

CT_e_A_Ca failed - 1848 is not the same as expected 1860

CT_f_D_tort1 passed - 1.0 is the same as expected 1

CT_f_A_tort1 passed - 0.6413785884384895 is the same as expected 0.641379

{'STAT_n': 65536, 'STAT_e': 1848, 'STAT_n_D': 27323, 'STAT_n_A': 38213, 'STAT_CC_D': 4, 'STAT_CC_A': 1, 'STAT_CC_D_An': 1, 'STAT_CC_A_Ca': 1, 'ABS_f_D': 0.4169158935546875, 'DISS_f10_D': 0.502470446144274, 'DISS_wf10_D': 0.2894795220130906, 'CT_f_e_conn': 0.31385281385281383, 'CT_f_conn_D_An': 0.207151, 'CT_f_conn_A_Ca': 1.0, 'CT_e_conn': 580, 'CT_e_D_An': 580, 'CT_e_A_Ca': 1848, 'CT_n_D_adj_An': 512, 'CT_n_A_adj_Ca': 512, 'CT_f_D_tort1': 1.0, 'CT_f_A_tort1': 0.6413785884384895}



data_0.558_2.4_002420 Results

STAT_n passed - 65536 is the same as expected 65536

STAT_e passed - 1844 is the same as expected 1844

STAT_n_D passed - 27183 is the same as expected 27183

STAT_n_A passed - 38353 is the same as expected 38353

STAT_CC_D passed - 3 is the same as expected 3

STAT_CC_A passed - 1 is the same as expected 1

STAT_CC_D_An passed - 1 is the same as expected 1

STAT_CC_A_Ca passed - 1 is the same as expected 1

ABS_f_D passed - 0.4147796630859375 is the same as expected 0.41478

DISS_wf10_D failed - 0.30409025591445443 is not the same as expected 0.282408

DISS_f10_D failed - 0.5424713975646543 is not the same as expected 0.542545

CT_f_e_conn passed - 0.42190889370932755 is the same as expected 0.421909

CT_f_conn_D_An passed - 0.447669 is the same as expected 0.44767

CT_f_conn_A_Ca passed - 1.0 is the same as expected 1

CT_e_conn passed - 778 is the same as expected 778

CT_e_D_An failed - 778 is not the same as expected 777

CT_e_A_Ca failed - 1844 is not the same as expected 1852

CT_f_D_tort1 passed - 1.0 is the same as expected 1

CT_f_A_tort1 passed - 0.3285271034860376 is the same as expected 0.328527

```
{'STAT_n': 65536, 'STAT_e': 1844, 'STAT_n_D': 27183, 'STAT_n_A': 38353, 'STAT_CC_D': 3,
'STAT_CC_A': 1, 'STAT_CC_D_An': 1, 'STAT_CC_A_Ca': 1, 'ABS_f_D': 0.4147796630859375,
'DISS_f10_D': 0.5424713975646543, 'DISS_wf10_D': 0.30409025591445443, 'CT_f_e_conn':
0.42190889370932755, 'CT_f_conn_D_An': 0.447669, 'CT_f_conn_A_Ca': 1.0, 'CT_e_conn': 778,
'CT_e_D_An': 778, 'CT_e_A_Ca': 1844, 'CT_n_D_adj_An': 512, 'CT_n_A_adj_Ca': 512, 'CT_f_D_tort1':
1.0, 'CT_f_A_tort1': 0.3285271034860376}
```



data_0.558_3.2_000400 Results

STAT_n passed - 65536 is the same as expected 65536

STAT_e passed - 3824 is the same as expected 3824

STAT_n_D passed - 28546 is the same as expected 28546

STAT_n_A passed - 36990 is the same as expected 36990

STAT_CC_D passed - 14 is the same as expected 14

STAT_CC_A passed - 2 is the same as expected 2

STAT_CC_D_An passed - 1 is the same as expected 1

STAT_CC_A_Ca passed - 1 is the same as expected 1

ABS_f_D passed - 0.435577392578125 is the same as expected 0.435577

DISS_wf10_D failed - 0.5000926469943218 is not the same as expected 0.487999

DISS_f10_D failed - 0.8827156168990401 is not the same as expected 0.882786

CT_f_e_conn passed - 0.4356694560669456 is the same as expected 0.435669

CT_f_conn_D_An passed - 0.557031 is the same as expected 0.557031

CT_f_conn_A_Ca passed - 0.980238 is the same as expected 0.980238

CT_e_conn passed - 1666 is the same as expected 1666

CT_e_D_An failed - 1802 is not the same as expected 1805

CT_e_A_Ca failed - 3688 is not the same as expected 3739

CT_f_D_tort1 passed - 0.6110307527828438 is the same as expected 0.611031

CT_f_A_tort1 passed - 0.35028544637193526 is the same as expected 0.350285

{'STAT_n': 65536, 'STAT_e': 3824, 'STAT_n_D': 28546, 'STAT_n_A': 36990, 'STAT_CC_D': 14, 'STAT_CC_A': 2, 'STAT_CC_D_An': 1, 'STAT_CC_A_Ca': 1, 'ABS_f_D': 0.435577392578125, 'DISS_f10_D': 0.8827156168990401, 'DISS_wf10_D': 0.5000926469943218, 'CT_f_e_conn': 0.4356694560669456, 'CT_f_conn_D_An': 0.557031, 'CT_f_conn_A_Ca': 0.980238, 'CT_e_conn': 1666, 'CT_e_D_An': 1802, 'CT_e_A_Ca': 3688, 'CT_n_D_adj_An': 512, 'CT_n_A_adj_Ca': 512, 'CT_f_D_tort1': 0.6110307527828438, 'CT_f_A_tort1': 0.35028544637193526}



data_0.586_2.8_000280 Results

STAT_n passed - 65536 is the same as expected 65536

STAT_e passed - 2678 is the same as expected 2678

STAT_n_D passed - 25982 is the same as expected 25982

STAT_n_A passed - 39554 is the same as expected 39554

STAT_CC_D passed - 11 is the same as expected 11

STAT_CC_A passed - 1 is the same as expected 1

STAT_CC_D_An passed - 1 is the same as expected 1

STAT_CC_A_Ca passed - 1 is the same as expected 1

ABS_f_D passed - 0.396453857421875 is the same as expected 0.396454

DISS_wf10_D failed - 0.400823083895032 is not the same as expected 0.381643

DISS_f10_D passed - 0.6959818335770919 is the same as expected 0.695982

CT_f_e_conn passed - 0.3793876026885736 is the same as expected 0.379388

CT_f_conn_D_An passed - 0.468594 is the same as expected 0.468594

CT_f_conn_A_Ca passed - 1.0 is the same as expected 1

CT_e_conn passed - 1016 is the same as expected 1016

CT_e_D_An failed - 1016 is not the same as expected 1015

CT_e_A_Ca failed - 2678 is not the same as expected 2718

CT_f_D_tort1 passed - 0.9040657084188912 is the same as expected 0.904066

CT_f_A_tort1 passed - 0.49719370986499467 is the same as expected 0.497194

```
{'STAT_n': 65536, 'STAT_e': 2678, 'STAT_n_D': 25982, 'STAT_n_A': 39554, 'STAT_CC_D': 11,
'STAT_CC_A': 1, 'STAT_CC_D_An': 1, 'STAT_CC_A_Ca': 1, 'ABS_f_D': 0.396453857421875,
'DISS_f10_D': 0.6959818335770919, 'DISS_wf10_D': 0.400823083895032, 'CT_f_e_conn':
0.3793876026885736, 'CT_f_conn_D_An': 0.468594, 'CT_f_conn_A_Ca': 1.0, 'CT_e_conn': 1016,
'CT_e_D_An': 1016, 'CT_e_A_Ca': 2678, 'CT_n_D_adj_An': 512, 'CT_n_A_adj_Ca': 512, 'CT_f_D_tort1':
0.9040657084188912, 'CT_f_A_tort1': 0.49719370986499467}
```



data_0.528_3.4_000140 Results

STAT_n passed - 65536 is the same as expected 65536

STAT_e passed - 5368 is the same as expected 5368

STAT_n_D passed - 30795 is the same as expected 30795

STAT_n_A passed - 34741 is the same as expected 34741

STAT_CC_D passed - 12 is the same as expected 12

STAT_CC_A passed - 3 is the same as expected 3

STAT_CC_D_An passed - 1 is the same as expected 1

STAT_CC_A_Ca passed - 1 is the same as expected 1

ABS_f_D passed - 0.4698944091796875 is the same as expected 0.469894

DISS_wf10_D failed - 0.6021135887794644 is not the same as expected 0.600807

DISS_f10_D passed - 0.9878876440980678 is the same as expected 0.987888

CT_f_e_conn failed - 0.43517138599105815 is not the same as expected 0.480999

CT_f_conn_D_An passed - 0.598799 is the same as expected 0.598799

CT_f_conn_A_Ca passed - 0.951268 is the same as expected 0.951268

CT_e_conn failed - 2336 is not the same as expected 2582

CT_e_D_An failed - 2948 is not the same as expected 2955

CT_e_A_Ca failed - 4756 is not the same as expected 5043

CT_f_D_tort1 passed - 0.38107375271149674 is the same as expected 0.381074

CT_f_A_tort1 passed - 0.27550835148874364 is the same as expected 0.275508

{'STAT_n': 65536, 'STAT_e': 5368, 'STAT_n_D': 30795, 'STAT_n_A': 34741, 'STAT_CC_D': 12, 'STAT_CC_A': 3, 'STAT_CC_D_An': 1, 'STAT_CC_A_Ca': 1, 'ABS_f_D': 0.4698944091796875, 'DISS_f10_D': 0.9878876440980678, 'DISS_wf10_D': 0.6021135887794644, 'CT_f_e_conn': 0.43517138599105815, 'CT_f_conn_D_An': 0.598799, 'CT_f_conn_A_Ca': 0.951268, 'CT_e_conn': 2336, 'CT_e_D_An': 2948, 'CT_e_A_Ca': 4756, 'CT_n_D_adj_An': 512, 'CT_n_A_adj_Ca': 512, 'CT_f_D_tort1': 0.38107375271149674, 'CT_f_A_tort1': 0.27550835148874364}



data_0.543_2.6_000060 Results

STAT_n passed - 65536 is the same as expected 65536

STAT_e passed - 3854 is the same as expected 3854

STAT_n_D passed - 28705 is the same as expected 28705

STAT_n_A passed - 36831 is the same as expected 36831

STAT_CC_D passed - 10 is the same as expected 10

STAT_CC_A passed - 3 is the same as expected 3

STAT_CC_D_An passed - 1 is the same as expected 1

STAT_CC_A_Ca passed - 1 is the same as expected 1

ABS_f_D passed - 0.4380035400390625 is the same as expected 0.438004

DISS_wf10_D failed - 0.5120623499040133 is not the same as expected 0.502247

DISS_f10_D passed - 0.9128374847587528 is the same as expected 0.912838

CT_f_e_conn passed - 0.3637778930980799 is the same as expected 0.363778

CT_f_conn_D_An passed - 0.647518 is the same as expected 0.647518

CT_f_conn_A_Ca passed - 0.785833 is the same as expected 0.785833

CT_e_conn passed - 1402 is the same as expected 1402

CT_e_D_An failed - 2246 is not the same as expected 2252

CT_e_A_Ca failed - 2876 is not the same as expected 2905

CT_f_D_tort1 passed - 0.429009522784742 is the same as expected 0.42901

CT_f_A_tort1 passed - 0.4352347717928342 is the same as expected 0.435235

{'STAT_n': 65536, 'STAT_e': 3854, 'STAT_n_D': 28705, 'STAT_n_A': 36831, 'STAT_CC_D': 10, 'STAT_CC_A': 3, 'STAT_CC_D_An': 1, 'STAT_CC_A_Ca': 1, 'ABS_f_D': 0.4380035400390625, 'DISS_f10_D': 0.9128374847587528, 'DISS_wf10_D': 0.5120623499040133, 'CT_f_e_conn': 0.3637778930980799, 'CT_f_conn_D_An': 0.647518, 'CT_f_conn_A_Ca': 0.785833, 'CT_e_conn': 1402, 'CT_e_D_An': 2246, 'CT_e_A_Ca': 2876, 'CT_n_D_adj_An': 512, 'CT_n_A_adj_Ca': 512, 'CT_f_D_tort1': 0.429009522784742, 'CT_f_A_tort1': 0.4352347717928342}



data_0.543_2.8_006140 Results

STAT_n passed - 65536 is the same as expected 65536

STAT_e passed - 1350 is the same as expected 1350

STAT_n_D passed - 29671 is the same as expected 29671

STAT_n_A passed - 35865 is the same as expected 35865

STAT_CC_D passed - 2 is the same as expected 2

STAT_CC_A passed - 1 is the same as expected 1

STAT_CC_D_An passed - 1 is the same as expected 1

STAT_CC_A_Ca passed - 1 is the same as expected 1

ABS_f_D passed - 0.4527435302734375 is the same as expected 0.452744

DISS_wf10_D failed - 0.2166356779085825 is not the same as expected 0.200989

DISS_f10_D passed - 0.38057362407738193 is the same as expected 0.380574

CT_f_e_conn passed - 0.5644444444444444 is the same as expected 0.564444

CT_f_conn_D_An passed - 0.656264 is the same as expected 0.656264

CT_f_conn_A_Ca passed - 1.0 is the same as expected 1

CT_e_conn passed - 762 is the same as expected 762

CT_e_D_An passed - 762 is the same as expected 762

CT_e_A_Ca failed - 1350 is not the same as expected 1354

CT_f_D_tort1 passed - 0.9768898931799507 is the same as expected 0.97689

CT_f_A_tort1 passed - 0.5851108322877457 is the same as expected 0.585111

```
{'STAT_n': 65536, 'STAT_e': 1350, 'STAT_n_D': 29671, 'STAT_n_A': 35865, 'STAT_CC_D': 2,
'STAT_CC_A': 1, 'STAT_CC_D_An': 1, 'STAT_CC_A_Ca': 1, 'ABS_f_D': 0.4527435302734375,
'DISS_f10_D': 0.38057362407738193, 'DISS_wf10_D': 0.2166356779085825, 'CT_f_e_conn':
0.5644444444444444, 'CT_f_conn_D_An': 0.656264, 'CT_f_conn_A_Ca': 1.0, 'CT_e_conn': 762,
'CT_e_D_An': 762, 'CT_e_A_Ca': 1350, 'CT_n_D_adj_An': 512, 'CT_n_A_adj_Ca': 512, 'CT_f_D_tort1':
0.9768898931799507, 'CT_f_A_tort1': 0.5851108322877457}
```



data_0.514_2.6_000080 Results

STAT_n passed - 65536 is the same as expected 65536

STAT_e passed - 3528 is the same as expected 3528

STAT_n_D passed - 31494 is the same as expected 31494

STAT_n_A passed - 34042 is the same as expected 34042

STAT_CC_D passed - 6 is the same as expected 6

STAT_CC_A passed - 3 is the same as expected 3

STAT_CC_D_An passed - 1 is the same as expected 1

STAT_CC_A_Ca passed - 1 is the same as expected 1

ABS_f_D passed - 0.480560302734375 is the same as expected 0.48056

DISS_wf10_D failed - 0.45724008382515247 is not the same as expected 0.440508

DISS_f10_D passed - 0.8266018924239538 is the same as expected 0.826602

CT_f_e_conn passed - 0.45918367346938777 is the same as expected 0.459184

CT_f_conn_D_An passed - 0.621515 is the same as expected 0.621515

CT_f_conn_A_Ca passed - 0.925768 is the same as expected 0.925768

CT_e_conn passed - 1620 is the same as expected 1620

CT_e_D_An failed - 2022 is not the same as expected 2030

CT_e_A_Ca failed - 3126 is not the same as expected 3146

CT_f_D_tort1 passed - 0.47946255236538265 is the same as expected 0.479463

CT_f_A_tort1 passed - 0.3617007774075837 is the same as expected 0.361701

{'STAT_n': 65536, 'STAT_e': 3528, 'STAT_n_D': 31494, 'STAT_n_A': 34042, 'STAT_CC_D': 6, 'STAT_CC_A': 3, 'STAT_CC_D_An': 1, 'STAT_CC_A_Ca': 1, 'ABS_f_D': 0.480560302734375, 'DISS_f10_D': 0.8266018924239538, 'DISS_wf10_D': 0.45724008382515247, 'CT_f_e_conn': 0.45918367346938777, 'CT_f_conn_D_An': 0.621515, 'CT_f_conn_A_Ca': 0.925768, 'CT_e_conn': 1620, 'CT_e_D_An': 2022, 'CT_e_A_Ca': 3126, 'CT_n_D_adj_An': 512, 'CT_n_A_adj_Ca': 512, 'CT_f_D_tort1': 0.47946255236538265, 'CT_f_A_tort1': 0.3617007774075837}



data_0.5_2.8_000380 Results

STAT_n passed - 65536 is the same as expected 65536

STAT_e passed - 2260 is the same as expected 2260

STAT_n_D passed - 32818 is the same as expected 32818

STAT_n_A passed - 32718 is the same as expected 32718

STAT_CC_D passed - 2 is the same as expected 2

STAT_CC_A passed - 2 is the same as expected 2

STAT_CC_D_An passed - 1 is the same as expected 1

STAT_CC_A_Ca passed - 1 is the same as expected 1

ABS_f_D passed - 0.500762939453125 is the same as expected 0.500763

DISS_wf10_D failed - 0.31326905700072394 is not the same as expected 0.289015

DISS_f10_D failed - 0.559510024986288 is not the same as expected 0.559541

CT_f_e_conn passed - 0.7424778761061946 is the same as expected 0.742478

CT_f_conn_D_An passed - 0.880523 is the same as expected 0.880523

CT_f_conn_A_Ca passed - 0.904242 is the same as expected 0.904242

CT_e_conn passed - 1678 is the same as expected 1678

CT_e_D_An failed - 1930 is not the same as expected 1934

CT_e_A_Ca failed - 2008 is not the same as expected 2012

CT_f_D_tort1 passed - 0.6753988303284078 is the same as expected 0.675399

CT_f_A_tort1 passed - 0.588135879668751 is the same as expected 0.588136

```
{'STAT_n': 65536, 'STAT_e': 2260, 'STAT_n_D': 32818, 'STAT_n_A': 32718, 'STAT_CC_D': 2,
'STAT_CC_A': 2, 'STAT_CC_D_An': 1, 'STAT_CC_A_Ca': 1, 'ABS_f_D': 0.500762939453125,
'DISS_f10_D': 0.559510024986288, 'DISS_wf10_D': 0.31326905700072394, 'CT_f_e_conn':
0.7424778761061946, 'CT_f_conn_D_An': 0.880523, 'CT_f_conn_A_Ca': 0.904242, 'CT_e_conn': 1678,
'CT_e_D_An': 1930, 'CT_e_A_Ca': 2008, 'CT_n_D_adj_An': 512, 'CT_n_A_adj_Ca': 512, 'CT_f_D_tort1':
0.6753988303284078, 'CT_f_A_tort1': 0.588135879668751}
```



data_0.514_2.4_000220 Results

STAT_n passed - 65536 is the same as expected 65536

STAT_e passed - 2718 is the same as expected 2718

STAT_n_D passed - 30979 is the same as expected 30979

STAT_n_A passed - 34557 is the same as expected 34557

STAT_CC_D passed - 7 is the same as expected 7

STAT_CC_A passed - 2 is the same as expected 2

STAT_CC_D_An passed - 1 is the same as expected 1

STAT_CC_A_Ca passed - 1 is the same as expected 1

ABS_f_D passed - 0.4727020263671875 is the same as expected 0.472702

DISS_wf10_D failed - 0.36722516537429856 is not the same as expected 0.343512

DISS_f10_D passed - 0.6521514574389102 is the same as expected 0.652151

CT_f_e_conn passed - 0.41869021339220014 is the same as expected 0.41869

CT_f_conn_D_An passed - 0.546499 is the same as expected 0.546499

CT_f_conn_A_Ca passed - 0.97604 is the same as expected 0.97604

CT_e_conn passed - 1138 is the same as expected 1138

CT_e_D_An failed - 1294 is not the same as expected 1298

CT_e_A_Ca failed - 2562 is not the same as expected 2586

CT_f_D_tort1 passed - 0.6683402244536326 is the same as expected 0.66834

CT_f_A_tort1 passed - 0.5629576921936612 is the same as expected 0.562958

```
{'STAT_n': 65536, 'STAT_e': 2718, 'STAT_n_D': 30979, 'STAT_n_A': 34557, 'STAT_CC_D': 7,
'STAT_CC_A': 2, 'STAT_CC_D_An': 1, 'STAT_CC_A_Ca': 1, 'ABS_f_D': 0.4727020263671875,
'DISS_f10_D': 0.6521514574389102, 'DISS_wf10_D': 0.36722516537429856, 'CT_f_e_conn':
0.41869021339220014, 'CT_f_conn_D_An': 0.546499, 'CT_f_conn_A_Ca': 0.97604, 'CT_e_conn': 1138,
'CT_e_D_An': 1294, 'CT_e_A_Ca': 2562, 'CT_n_D_adj_An': 512, 'CT_n_A_adj_Ca': 512, 'CT_f_D_tort1':
0.6683402244536326, 'CT_f_A_tort1': 0.5629576921936612}
```



data_0.543_4.0_000080 Results

STAT_n passed - 65536 is the same as expected 65536

STAT_e passed - 5774 is the same as expected 5774

STAT_n_D passed - 29982 is the same as expected 29982

STAT_n_A passed - 35554 is the same as expected 35554

STAT_CC_D passed - 17 is the same as expected 17

STAT_CC_A passed - 3 is the same as expected 3

STAT_CC_D_An passed - 1 is the same as expected 1

STAT_CC_A_Ca passed - 1 is the same as expected 1

ABS_f_D passed - 0.457489013671875 is the same as expected 0.457489

DISS_wf10_D failed - 0.6281323106835447 is not the same as expected 0.626924

DISS_f10_D failed - 0.9883596824761524 is not the same as expected 0.988393

CT_f_e_conn passed - 0.25008659508139935 is the same as expected 0.250087

CT_f_conn_D_An passed - 0.497532 is the same as expected 0.497532

CT_f_conn_A_Ca passed - 0.846937 is the same as expected 0.846937

CT_e_conn passed - 1444 is the same as expected 1444

CT_e_D_An failed - 2448 is not the same as expected 2455

CT_e_A_Ca failed - 4770 is not the same as expected 4833

CT_f_D_tort1 passed - 0.48086076288798013 is the same as expected 0.480861

CT_f_A_tort1 passed - 0.27527231668437835 is the same as expected 0.275272

{'STAT_n': 65536, 'STAT_e': 5774, 'STAT_n_D': 29982, 'STAT_n_A': 35554, 'STAT_CC_D': 17, 'STAT_CC_A': 3, 'STAT_CC_D_An': 1, 'STAT_CC_A_Ca': 1, 'ABS_f_D': 0.457489013671875, 'DISS_f10_D': 0.9883596824761524, 'DISS_wf10_D': 0.6281323106835447, 'CT_f_e_conn': 0.25008659508139935, 'CT_f_conn_D_An': 0.497532, 'CT_f_conn_A_Ca': 0.846937, 'CT_e_conn': 1444, 'CT_e_D_An': 2448, 'CT_e_A_Ca': 4770, 'CT_n_D_adj_An': 512, 'CT_n_A_adj_Ca': 512, 'CT_f_D_tort1': 0.48086076288798013, 'CT_f_A_tort1': 0.27527231668437835}



data_0.558_2.6_000100 Results

STAT_n passed - 65536 is the same as expected 65536

STAT_e passed - 3342 is the same as expected 3342

STAT_n_D passed - 27362 is the same as expected 27362

STAT_n_A passed - 38174 is the same as expected 38174

STAT_CC_D passed - 11 is the same as expected 11

STAT_CC_A passed - 1 is the same as expected 1

STAT_CC_D_An passed - 1 is the same as expected 1

STAT_CC_A_Ca passed - 1 is the same as expected 1

ABS_f_D passed - 0.417510986328125 is the same as expected 0.417511

DISS_wf10_D failed - 0.4667858346514736 is not the same as expected 0.450045

DISS_f10_D passed - 0.8181419486879614 is the same as expected 0.818142

CT_f_e_conn failed - 0.2896469180131658 is not the same as expected 0.389587

CT_f_conn_D_An passed - 0.419633 is the same as expected 0.419633

CT_f_conn_A_Ca passed - 1.0 is the same as expected 1

CT_e_conn failed - 968 is not the same as expected 1302

CT_e_D_An failed - 1043 is not the same as expected 1300

CT_e_A_Ca failed - 3267 is not the same as expected 3379

CT_f_D_tort1 passed - 0.768245950182895 is the same as expected 0.768246

CT_f_A_tort1 passed - 0.3589615968984125 is the same as expected 0.358962

{'STAT_n': 65536, 'STAT_e': 3342, 'STAT_n_D': 27362, 'STAT_n_A': 38174, 'STAT_CC_D': 11, 'STAT_CC_A': 1, 'STAT_CC_D_An': 1, 'STAT_CC_A_Ca': 1, 'ABS_f_D': 0.417510986328125, 'DISS_f10_D': 0.8181419486879614, 'DISS_wf10_D': 0.4667858346514736, 'CT_f_e_conn': 0.2896469180131658, 'CT_f_conn_D_An': 0.419633, 'CT_f_conn_A_Ca': 1.0, 'CT_e_conn': 968, 'CT_e_D_An': 1043, 'CT_e_A_Ca': 3267, 'CT_n_D_adj_An': 512, 'CT_n_A_adj_Ca': 512, 'CT_f_D_tort1': 0.768245950182895, 'CT_f_A_tort1': 0.3589615968984125}



data_0.528_2.6_006300 Results

STAT_n passed - 65536 is the same as expected 65536

STAT_e passed - 1160 is the same as expected 1160

STAT_n_D passed - 30539 is the same as expected 30539

STAT_n_A passed - 34997 is the same as expected 34997

STAT_CC_D passed - 2 is the same as expected 2

STAT_CC_A passed - 2 is the same as expected 2

STAT_CC_D_An passed - 1 is the same as expected 1

STAT_CC_A_Ca passed - 1 is the same as expected 1

ABS_f_D passed - 0.4659881591796875 is the same as expected 0.465988

DISS_wf10_D failed - 0.1742380313755272 is not the same as expected 0.160333

DISS_f10_D passed - 0.30672255149153543 is the same as expected 0.306723

CT_f_e_conn passed - 0.6913793103448276 is the same as expected 0.691379

CT_f_conn_D_An passed - 0.976849 is the same as expected 0.976849

CT_f_conn_A_Ca passed - 0.936309 is the same as expected 0.936309

CT_e_conn passed - 802 is the same as expected 802

CT_e_D_An failed - 1032 is not the same as expected 1036

CT_e_A_Ca failed - 930 is not the same as expected 934

CT_f_D_tort1 passed - 0.8129860552426924 is the same as expected 0.812986

CT_f_A_tort1 passed - 0.873443603515625 is the same as expected 0.873444

```
{'STAT_n': 65536, 'STAT_e': 1160, 'STAT_n_D': 30539, 'STAT_n_A': 34997, 'STAT_CC_D': 2,
'STAT_CC_A': 2, 'STAT_CC_D_An': 1, 'STAT_CC_A_Ca': 1, 'ABS_f_D': 0.4659881591796875,
'DISS_f10_D': 0.30672255149153543, 'DISS_wf10_D': 0.1742380313755272, 'CT_f_e_conn':
0.6913793103448276, 'CT_f_conn_D_An': 0.976849, 'CT_f_conn_A_Ca': 0.936309, 'CT_e_conn': 802,
'CT_e_D_An': 1032, 'CT_e_A_Ca': 930, 'CT_n_D_adj_An': 512, 'CT_n_A_adj_Ca': 512, 'CT_f_D_tort1':
0.8129860552426924, 'CT_f_A_tort1': 0.873443603515625}
```



data_0.586_2.6_000220 Results

STAT_n passed - 65536 is the same as expected 65536

STAT_e passed - 3136 is the same as expected 3136

STAT_n_D passed - 24927 is the same as expected 24927

STAT_n_A passed - 40609 is the same as expected 40609

STAT_CC_D passed - 16 is the same as expected 16

STAT_CC_A passed - 1 is the same as expected 1

STAT_CC_D_An passed - 1 is the same as expected 1

STAT_CC_A_Ca passed - 1 is the same as expected 1

ABS_f_D passed - 0.3803558349609375 is the same as expected 0.380356

DISS_wf10_D failed - 0.4582156122868103 is not the same as expected 0.443785

DISS_f10_D passed - 0.7870582099731215 is the same as expected 0.787058

CT_f_e_conn failed - 0.22193877551020408 is not the same as expected 0.269133

CT_f_conn_D_An passed - 0.362137 is the same as expected 0.362137

CT_f_conn_A_Ca passed - 1.0 is the same as expected 1

CT_e_conn failed - 696 is not the same as expected 844

CT_e_D_An failed - 696 is not the same as expected 844

CT_e_A_Ca failed - 3136 is not the same as expected 3196

CT_f_D_tort1 passed - 0.8659576825080315 is the same as expected 0.865958

CT_f_A_tort1 passed - 0.28961560245265827 is the same as expected 0.289616

{'STAT_n': 65536, 'STAT_e': 3136, 'STAT_n_D': 24927, 'STAT_n_A': 40609, 'STAT_CC_D': 16, 'STAT_CC_A': 1, 'STAT_CC_D_An': 1, 'STAT_CC_A_Ca': 1, 'ABS_f_D': 0.3803558349609375, 'DISS_f10_D': 0.7870582099731215, 'DISS_wf10_D': 0.4582156122868103, 'CT_f_e_conn': 0.22193877551020408, 'CT_f_conn_D_An': 0.362137, 'CT_f_conn_A_Ca': 1.0, 'CT_e_conn': 696, 'CT_e_D_An': 696, 'CT_e_A_Ca': 3136, 'CT_n_D_adj_An': 512, 'CT_n_A_adj_Ca': 512, 'CT_f_D_tort1': 0.8659576825080315, 'CT_f_A_tort1': 0.28961560245265827}



data_0.572_3.8_006980 Results

STAT_n passed - 65536 is the same as expected 65536

STAT_e passed - 1862 is the same as expected 1862

STAT_n_D passed - 28207 is the same as expected 28207

STAT_n_A passed - 37329 is the same as expected 37329

STAT_CC_D passed - 4 is the same as expected 4

STAT_CC_A passed - 1 is the same as expected 1

STAT_CC_D_An passed - 1 is the same as expected 1

STAT_CC_A_Ca passed - 1 is the same as expected 1

ABS_f_D passed - 0.4304046630859375 is the same as expected 0.430405

DISS_wf10_D failed - 0.283798928923823 is not the same as expected 0.265359

DISS_f10_D failed - 0.49310454851632574 is not the same as expected 0.493246

CT_f_e_conn passed - 0.322234156820623 is the same as expected 0.322234

CT_f_conn_D_An passed - 0.226717 is the same as expected 0.226717

CT_f_conn_A_Ca passed - 1.0 is the same as expected 1

CT_e_conn passed - 600 is the same as expected 600

CT_e_D_An passed - 600 is the same as expected 600

CT_e_A_Ca failed - 1862 is not the same as expected 1874

CT_f_D_tort1 passed - 1.0 is the same as expected 1

CT_f_A_tort1 passed - 0.49420021966835437 is the same as expected 0.4942

```
{'STAT_n': 65536, 'STAT_e': 1862, 'STAT_n_D': 28207, 'STAT_n_A': 37329, 'STAT_CC_D': 4,
'STAT_CC_A': 1, 'STAT_CC_D_An': 1, 'STAT_CC_A_Ca': 1, 'ABS_f_D': 0.4304046630859375,
'DISS_f10_D': 0.49310454851632574, 'DISS_wf10_D': 0.283798928923823, 'CT_f_e_conn':
0.322234156820623, 'CT_f_conn_D_An': 0.226717, 'CT_f_conn_A_Ca': 1.0, 'CT_e_conn': 600,
'CT_e_D_An': 600, 'CT_e_A_Ca': 1862, 'CT_n_D_adj_An': 512, 'CT_n_A_adj_Ca': 512, 'CT_f_D_tort1':
1.0, 'CT_f_A_tort1': 0.49420021966835437}
```



data_0.514_2.8_000200 Results

STAT_n passed - 65536 is the same as expected 65536

STAT_e passed - 2568 is the same as expected 2568

STAT_n_D passed - 31468 is the same as expected 31468

STAT_n_A passed - 34068 is the same as expected 34068

STAT_CC_D passed - 7 is the same as expected 7

STAT_CC_A passed - 1 is the same as expected 1

STAT_CC_D_An passed - 1 is the same as expected 1

STAT_CC_A_Ca passed - 1 is the same as expected 1

ABS_f_D passed - 0.48016357421875 is the same as expected 0.480164

DISS_wf10_D failed - 0.33616878801184247 is not the same as expected 0.313122

DISS_f10_D failed - 0.5905999745773484 is not the same as expected 0.590727

CT_f_e_conn failed - 0.3500778816199377 is not the same as expected 0.536604

CT_f_conn_D_An passed - 0.627145 is the same as expected 0.627145

CT_f_conn_A_Ca passed - 1.0 is the same as expected 1

CT_e_conn failed - 899 is not the same as expected 1378

CT_e_D_An failed - 1345 is not the same as expected 1378

CT_e_A_Ca failed - 2122 is not the same as expected 2592

CT_f_D_tort1 passed - 0.7022042057258677 is the same as expected 0.702204

CT_f_A_tort1 passed - 0.42661735352823765 is the same as expected 0.426617

{'STAT_n': 65536, 'STAT_e': 2568, 'STAT_n_D': 31468, 'STAT_n_A': 34068, 'STAT_CC_D': 7, 'STAT_CC_A': 1, 'STAT_CC_D_An': 1, 'STAT_CC_A_Ca': 1, 'ABS_f_D': 0.48016357421875, 'DISS_f10_D': 0.5905999745773484, 'DISS_wf10_D': 0.33616878801184247, 'CT_f_e_conn': 0.3500778816199377, 'CT_f_conn_D_An': 0.627145, 'CT_f_conn_A_Ca': 1.0, 'CT_e_conn': 899, 'CT_e_D_An': 1345, 'CT_e_A_Ca': 2122, 'CT_n_D_adj_An': 512, 'CT_n_A_adj_Ca': 512, 'CT_f_D_tort1': 0.7022042057258677, 'CT_f_A_tort1': 0.42661735352823765}



data_0.5_3.8_001820 Results

STAT_n passed - 65536 is the same as expected 65536

STAT_e passed - 2458 is the same as expected 2458

STAT_n_D passed - 32748 is the same as expected 32748

STAT_n_A passed - 32788 is the same as expected 32788

STAT_CC_D passed - 1 is the same as expected 1

STAT_CC_A passed - 3 is the same as expected 3

STAT_CC_D_An passed - 1 is the same as expected 1

STAT_CC_A_Ca passed - 1 is the same as expected 1

ABS_f_D passed - 0.49969482421875 is the same as expected 0.499695

DISS_wf10_D failed - 0.3421423282871301 is not the same as expected 0.32034

DISS_f10_D failed - 0.6195798216684988 is not the same as expected 0.61961

CT_f_e_conn passed - 0.34906427990235966 is the same as expected 0.349064

CT_f_conn_D_An passed - 1.0 is the same as expected 1

CT_f_conn_A_Ca passed - 0.38081 is the same as expected 0.38081

CT_e_conn passed - 858 is the same as expected 858

CT_e_D_An failed - 2458 is not the same as expected 2465

CT_e_A_Ca passed - 858 is the same as expected 858

CT_f_D_tort1 failed - 0.33559301331379016 is not the same as expected 0.335715

CT_f_A_tort1 passed - 0.8886753163543168 is the same as expected 0.888675

{'STAT_n': 65536, 'STAT_e': 2458, 'STAT_n_D': 32748, 'STAT_n_A': 32788, 'STAT_CC_D': 1, 'STAT_CC_A': 3, 'STAT_CC_D_An': 1, 'STAT_CC_A_Ca': 1, 'ABS_f_D': 0.49969482421875, 'DISS_f10_D': 0.6195798216684988, 'DISS_wf10_D': 0.3421423282871301, 'CT_f_e_conn': 0.34906427990235966, 'CT_f_conn_D_An': 1.0, 'CT_f_conn_A_Ca': 0.38081, 'CT_e_conn': 858, 'CT_e_D_An': 2458, 'CT_e_A_Ca': 858, 'CT_n_D_adj_An': 512, 'CT_n_A_adj_Ca': 512, 'CT_f_D_tort1': 0.33559301331379016, 'CT_f_A_tort1': 0.8886753163543168}



data_0.514_2.8_005540 Results

STAT_n passed - 65536 is the same as expected 65536

STAT_e passed - 1520 is the same as expected 1520

STAT_n_D passed - 31702 is the same as expected 31702

STAT_n_A passed - 33834 is the same as expected 33834

STAT_CC_D passed - 2 is the same as expected 2

STAT_CC_A passed - 1 is the same as expected 1

STAT_CC_D_An passed - 1 is the same as expected 1

STAT_CC_A_Ca passed - 1 is the same as expected 1

ABS_f_D passed - 0.483734130859375 is the same as expected 0.483734

DISS_wf10_D failed - 0.21802113511023125 is not the same as expected 0.201531

DISS_f10_D passed - 0.38249952684373223 is the same as expected 0.3825

CT_f_e_conn failed - 0.4855263157894737 is not the same as expected 0.693421

CT_f_conn_D_An passed - 0.714655 is the same as expected 0.714655

CT_f_conn_A_Ca passed - 1.0 is the same as expected 1

CT_e_conn failed - 738 is not the same as expected 1054

CT_e_D_An failed - 999 is not the same as expected 1054

CT_e_A_Ca failed - 1259 is not the same as expected 1524

CT_f_D_tort1 passed - 0.7943591101694916 is the same as expected 0.794359

CT_f_A_tort1 passed - 0.5556836318496188 is the same as expected 0.555684

```
{'STAT_n': 65536, 'STAT_e': 1520, 'STAT_n_D': 31702, 'STAT_n_A': 33834, 'STAT_CC_D': 2,
'STAT_CC_A': 1, 'STAT_CC_D_An': 1, 'STAT_CC_A_Ca': 1, 'ABS_f_D': 0.483734130859375,
'DISS_f10_D': 0.38249952684373223, 'DISS_wf10_D': 0.21802113511023125, 'CT_f_e_conn':
0.4855263157894737, 'CT_f_conn_D_An': 0.714655, 'CT_f_conn_A_Ca': 1.0, 'CT_e_conn': 738,
'CT_e_D_An': 999, 'CT_e_A_Ca': 1259, 'CT_n_D_adj_An': 512, 'CT_n_A_adj_Ca': 512, 'CT_f_D_tort1':
0.7943591101694916, 'CT_f_A_tort1': 0.5556836318496188}
```



data_0.528_4.0_001100 Results

STAT_n passed - 65536 is the same as expected 65536

STAT_e passed - 2798 is the same as expected 2798

STAT_n_D passed - 31059 is the same as expected 31059

STAT_n_A passed - 34477 is the same as expected 34477

STAT_CC_D passed - 2 is the same as expected 2

STAT_CC_A passed - 2 is the same as expected 2

STAT_CC_D_An passed - 1 is the same as expected 1

STAT_CC_A_Ca passed - 1 is the same as expected 1

ABS_f_D passed - 0.4739227294921875 is the same as expected 0.473923

DISS_wf10_D failed - 0.3846579740652149 is not the same as expected 0.362376

DISS_f10_D passed - 0.6937441643323996 is the same as expected 0.693744

CT_f_e_conn failed - 0.624374553252323 is not the same as expected 0.747677

CT_f_conn_D_An passed - 0.937506 is the same as expected 0.937506

CT_f_conn_A_Ca passed - 0.851843 is the same as expected 0.851843

CT_e_conn failed - 1747 is not the same as expected 2092

CT_e_D_An failed - 2570 is not the same as expected 2574

CT_e_A_Ca failed - 1975 is not the same as expected 2324

CT_f_D_tort1 passed - 0.40500721203379353 is the same as expected 0.405007

CT_f_A_tort1 passed - 0.4670230515169056 is the same as expected 0.467023

```
{'STAT_n': 65536, 'STAT_e': 2798, 'STAT_n_D': 31059, 'STAT_n_A': 34477, 'STAT_CC_D': 2,
'STAT_CC_A': 2, 'STAT_CC_D_An': 1, 'STAT_CC_A_Ca': 1, 'ABS_f_D': 0.4739227294921875,
'DISS_f10_D': 0.6937441643323996, 'DISS_wf10_D': 0.3846579740652149, 'CT_f_e_conn':
0.624374553252323, 'CT_f_conn_D_An': 0.937506, 'CT_f_conn_A_Ca': 0.851843, 'CT_e_conn': 1747,
'CT_e_D_An': 2570, 'CT_e_A_Ca': 1975, 'CT_n_D_adj_An': 512, 'CT_n_A_adj_Ca': 512, 'CT_f_D_tort1':
0.40500721203379353, 'CT_f_A_tort1': 0.4670230515169056}
```



data_0.543_3.4_001960 Results

STAT_n passed - 65536 is the same as expected 65536

STAT_e passed - 2200 is the same as expected 2200

STAT_n_D passed - 29844 is the same as expected 29844

STAT_n_A passed - 35692 is the same as expected 35692

STAT_CC_D passed - 4 is the same as expected 4

STAT_CC_A passed - 1 is the same as expected 1

STAT_CC_D_An passed - 1 is the same as expected 1

STAT_CC_A_Ca passed - 1 is the same as expected 1

ABS_f_D passed - 0.45538330078125 is the same as expected 0.455383

DISS_wf10_D failed - 0.3196135818994242 is not the same as expected 0.297004

DISS_f10_D failed - 0.5683554483313229 is not the same as expected 0.568389

CT_f_e_conn passed - 0.40545454545454546 is the same as expected 0.405455

CT_f_conn_D_An passed - 0.459322 is the same as expected 0.459322

CT_f_conn_A_Ca passed - 1.0 is the same as expected 1

CT_e_conn passed - 892 is the same as expected 892

CT_e_D_An passed - 892 is the same as expected 892

CT_e_A_Ca failed - 2200 is not the same as expected 2212

CT_f_D_tort1 passed - 0.9808141231397723 is the same as expected 0.980814

CT_f_A_tort1 passed - 0.4701613807015578 is the same as expected 0.470161

```
{'STAT_n': 65536, 'STAT_e': 2200, 'STAT_n_D': 29844, 'STAT_n_A': 35692, 'STAT_CC_D': 4,
'STAT_CC_A': 1, 'STAT_CC_D_An': 1, 'STAT_CC_A_Ca': 1, 'ABS_f_D': 0.45538330078125,
'DISS_f10_D': 0.5683554483313229, 'DISS_wf10_D': 0.3196135818994242, 'CT_f_e_conn':
0.40545454545454546, 'CT_f_conn_D_An': 0.459322, 'CT_f_conn_A_Ca': 1.0, 'CT_e_conn': 892,
'CT_e_D_An': 892, 'CT_e_A_Ca': 2200, 'CT_n_D_adj_An': 512, 'CT_n_A_adj_Ca': 512, 'CT_f_D_tort1':
0.9808141231397723, 'CT_f_A_tort1': 0.4701613807015578}
```

