1 vertex

2 vertices

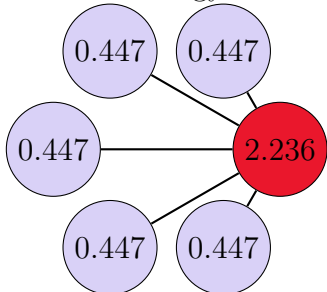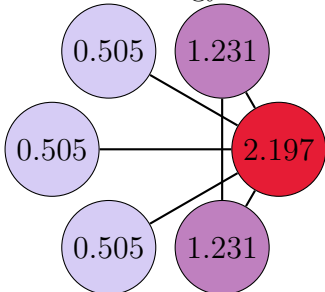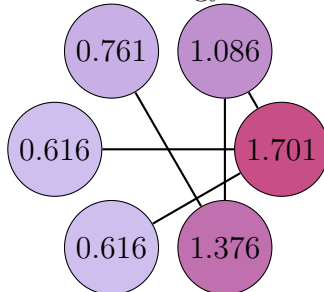# 3 vertices

4 vertices

5 vertices

6 vertices

Graph 1, order 6.
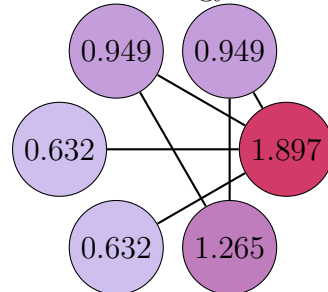Total energy: 4.472

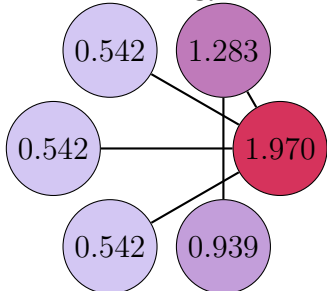

Graph 3, order 6.
Total energy: 6.172

Graph 5, order 6.
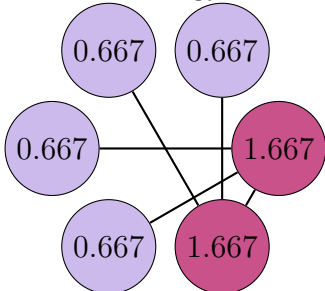Total energy: 6.155

Graph 7, order 6.
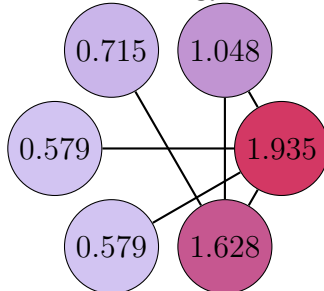Total energy: 6.325

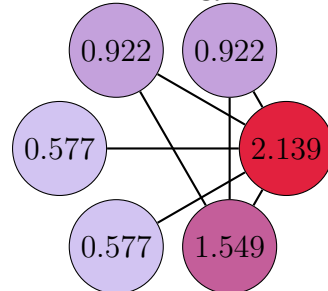Graph 2, order 6.
Total energy: 5.819
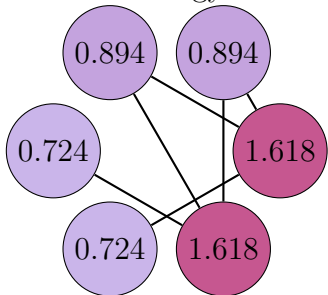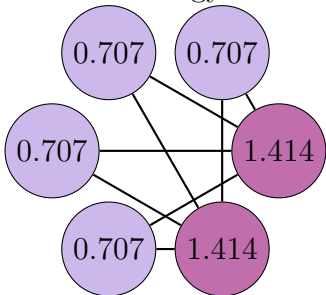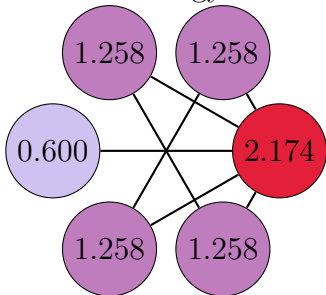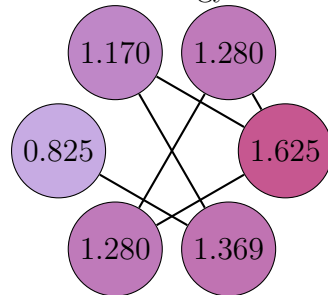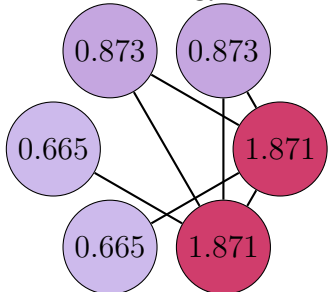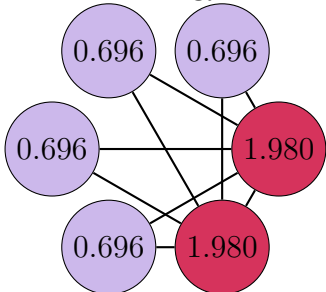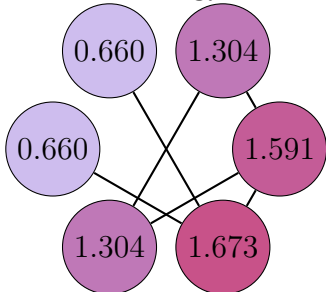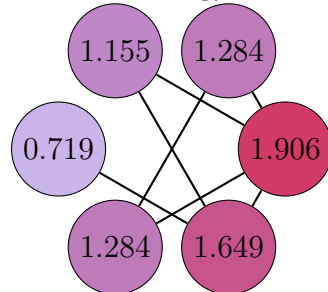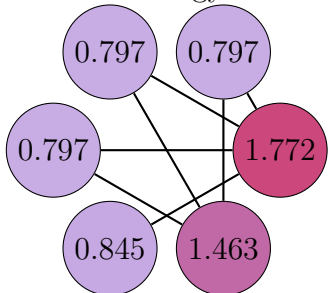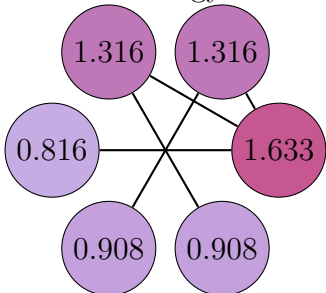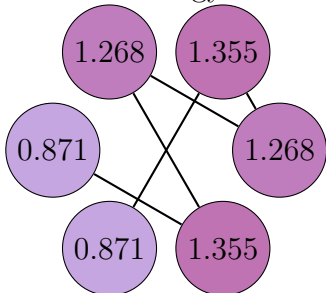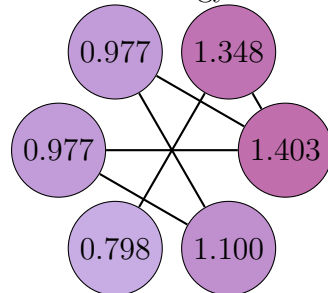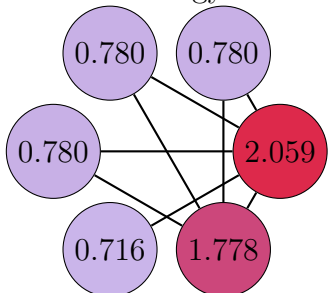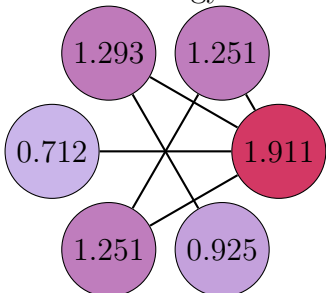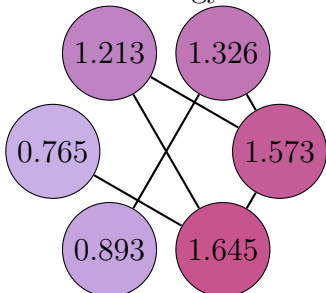

Graph 4, order 6.
Total energy: 6.000

Graph 6, order 6.
Total energy: 6.485

Graph 8, order 6.
Total energy: 6.686

Graph 9, order 6.
Total energy: 6.472

0.894　0.894
0.724
0.724　1.618
1.618

Graph 13, order 6.
Total energy: 5.657

0.707　0.707
0.707
0.707　1.414
1.414

Graph 17, order 6.
Total energy: 7.806

1.258　1.258
0.600
1.258　2.174
1.258

Graph 21, order 6.
Total energy: 7.549

1.170　1.280
0.825
1.280　1.625
1.369

Graph 10, order 6.
Total energy: 6.819

0.873　0.873
0.665
0.665　1.871
1.871

Graph 14, order 6.
Total energy: 6.745

0.696　0.696
0.696
0.696　1.980
1.980

Graph 18, order 6.
Total energy: 7.192

0.660　1.304
0.660
1.304　1.591
1.673

Graph 22, order 6.
Total energy: 7.996

1.155　1.284
0.719
1.284　1.906
1.649

Graph 11, order 6.
Total energy: 6.470

0.797　0.797
0.797
0.845　1.772
1.463

Graph 15, order 6.
Total energy: 6.899

1.316　1.316
0.816
0.908　1.633
0.908

Graph 19, order 6.
Total energy: 6.988

1.268　1.355
0.871
0.871　1.268
1.355

Graph 23, order 6.
Total energy: 6.603

0.977　1.348
0.977
0.798　1.403
1.100

Graph 12, order 6.
Total energy: 6.893

0.780　0.780
0.780
0.716　2.059
1.778

Graph 16, order 6.
Total energy: 7.342

1.293　1.251
0.712
1.251　1.911
0.925

Graph 20, order 6.
Total energy: 7.416

1.213　1.326
0.765
0.893　1.573
1.645

Graph 24, order 6.
Total energy: 7.523

0.949　1.304
0.949
0.915　1.839
1.568
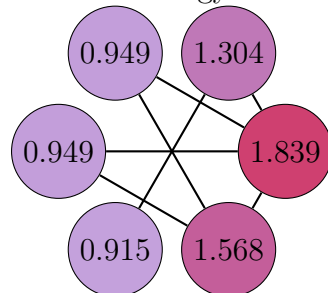
Graph 25, order 6.
Total energy: 7.536

0.955 1.280
0.955 1.827
1.280 1.239
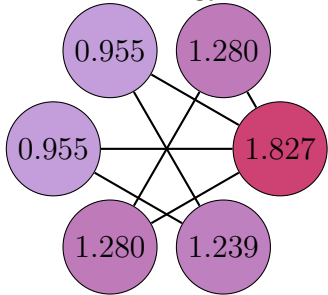
Graph 29, order 6.
Total energy: 7.466

1.227 1.298
0.759 1.657
1.227 1.298
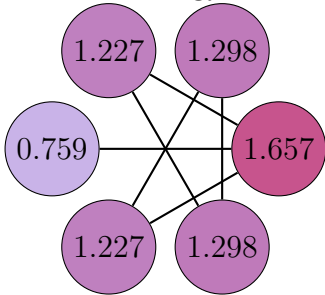
Graph 33, order 6.
Total energy: 7.664

1.129 1.495
0.777 1.847
1.216 1.201
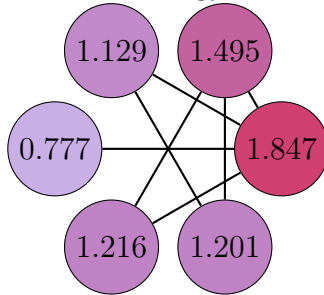
Graph 37, order 6.
Total energy: 8.289

1.004 1.407
0.736 2.013
1.407 1.722
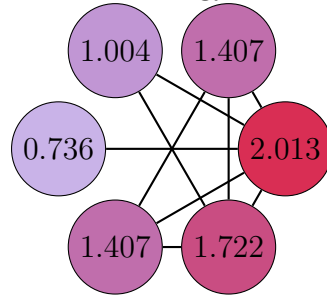
Graph 26, order 6.
Total energy: 8.213

0.943 1.294
0.943 2.145
1.294 1.595
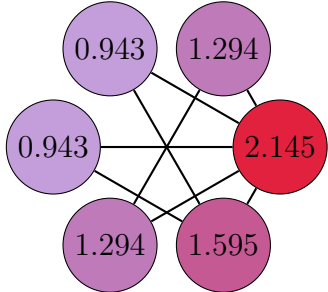
Graph 30, order 6.
Total energy: 7.301

0.832 1.602
0.832 1.602
0.832 1.602
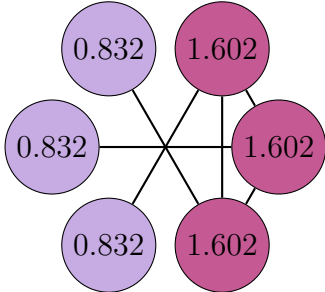
Graph 34, order 6.
Total energy: 7.981

1.144 1.454
0.696 2.089
1.144 1.454
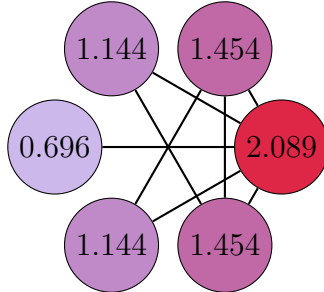
Graph 38, order 6.
Total energy: 7.565

0.946 1.281
0.946 1.555
1.281 1.555
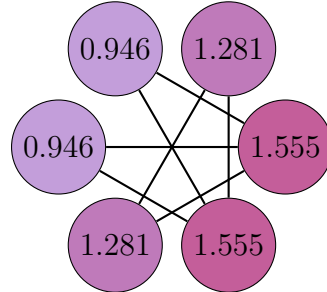
Graph 27, order 6.
Total energy: 7.464

0.637 1.548
0.637 1.881
1.548 1.214
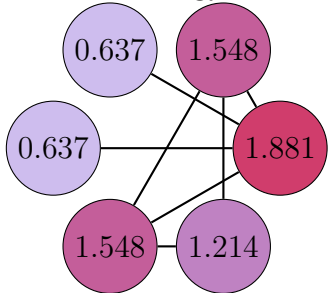
Graph 31, order 6.
Total energy: 7.208

1.173 1.560
0.871 1.560
0.871 1.173
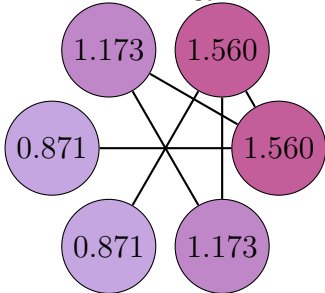
Graph 35, order 6.
Total energy: 8.019

0.772 1.439
0.772 1.799
1.439 1.799
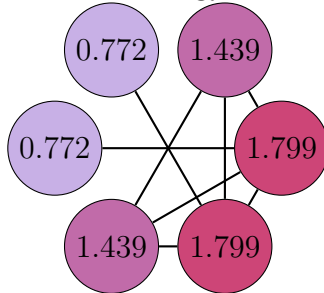
Graph 39, order 6.
Total energy: 7.419

0.934 1.093
0.934 1.682
1.093 1.682
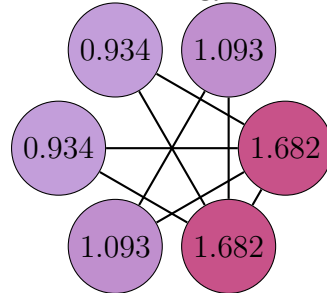
Graph 28, order 6.
Total energy: 7.712

0.605 1.473
0.605 2.082
1.473 1.473
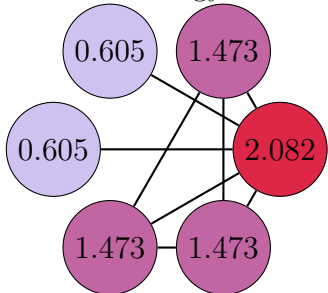
Graph 32, order 6.
Total energy: 7.665

1.129 1.542
0.739 1.861
0.878 1.516
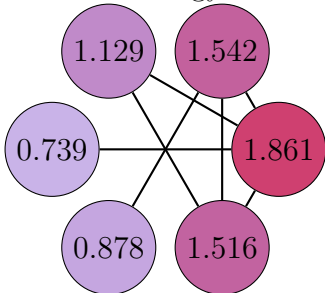
Graph 36, order 6.
Total energy: 7.937

0.986 1.461
0.851 1.755
1.461 1.423
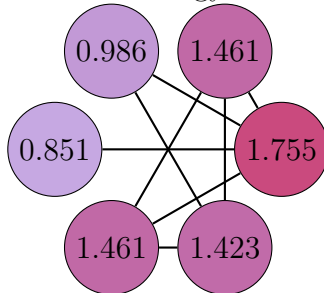
Graph 40, order 6.
Total energy: 8.118

1.066 1.456
0.759 1.816
1.202 1.820

3
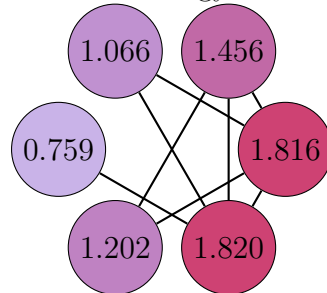
Graph 41, order 6.
Total energy: 7.738

0.885 1.496 0.885 1.783 0.907 1.783
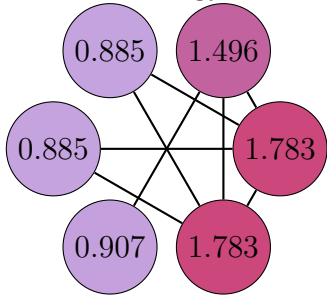
Graph 45, order 6.
Total energy: 8.283

0.820 1.381 0.820 1.940 1.381 1.940
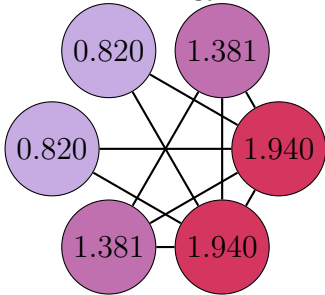
Graph 49, order 6.
Total energy: 8.686

1.275 1.154 1.275 1.844 1.569 1.569
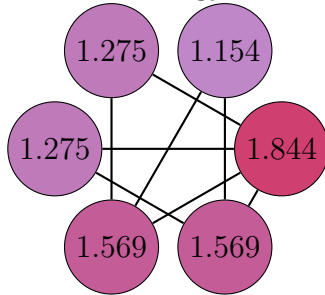
Graph 53, order 6.
Total energy: 7.657

1.207 1.414 1.207 1.414 1.207 1.207
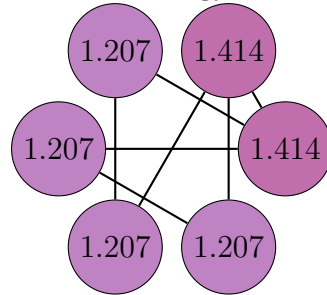
Graph 42, order 6.
Total energy: 7.299

0.855 1.350 0.855 1.623 1.282 1.334
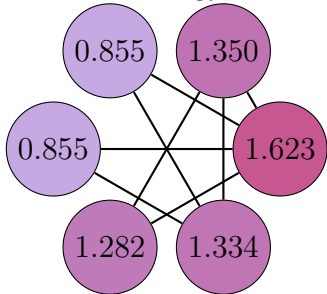
Graph 46, order 6.
Total energy: 7.766

1.267 1.063 0.836 1.476 1.542 1.583
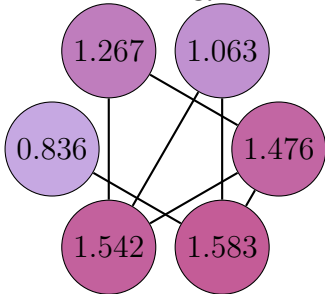
Graph 50, order 6.
Total energy: 7.806

0.800 1.516 0.800 1.516 1.587 1.587
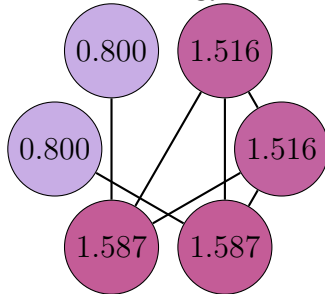
Graph 54, order 6.
Total energy: 8.183

1.161 1.350 1.111 1.766 1.563 1.232
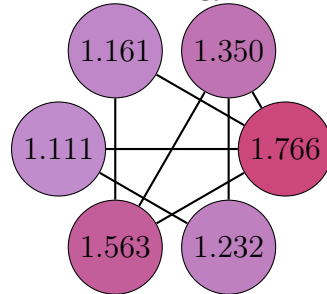
Graph 43, order 6.
Total energy: 8.107

0.876 1.410 0.876 2.029 1.196 1.719
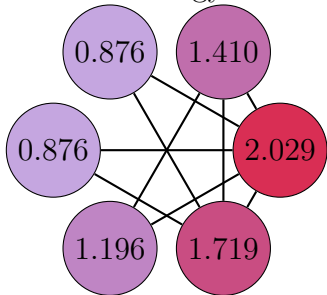
Graph 47, order 6.
Total energy: 8.000

1.333 1.333 1.333 1.333 1.333 1.333
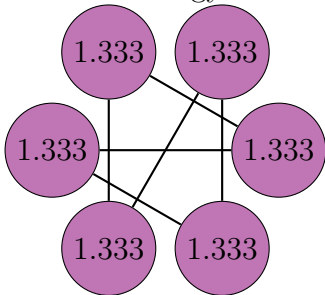
Graph 51, order 6.
Total energy: 7.123

0.674 1.349 1.053 1.349 1.645 1.053
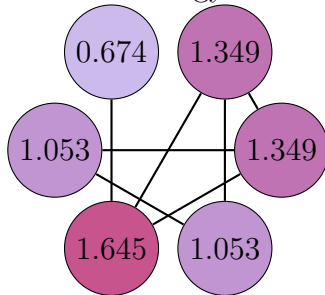
Graph 55, order 6.
Total energy: 8.670

1.132 1.263 1.132 2.072 1.536 1.536
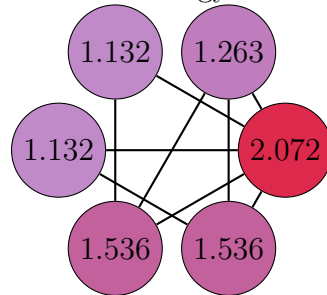
Graph 44, order 6.
Total energy: 7.252

0.808 1.424 0.808 1.394 1.424 1.394
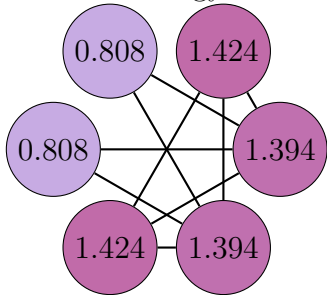
Graph 48, order 6.
Total energy: 8.390

1.270 1.275 1.275 1.615 1.615 1.339
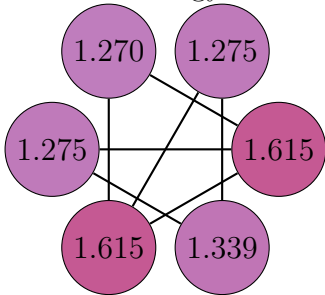
Graph 52, order 6.
Total energy: 8.046

1.062 1.324 0.754 1.814 1.506 1.588
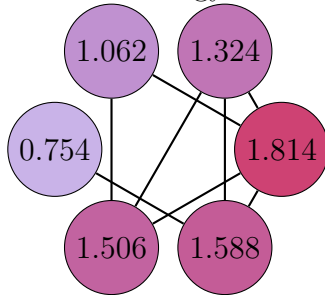
Graph 56, order 6.
Total energy: 8.944

1.193 1.193 1.193 1.789 1.789 1.789

4
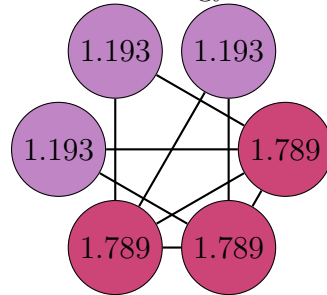
Graph 57, order 6.
Total energy: 8.355

1.170 1.346
1.017 1.653
1.747 1.421
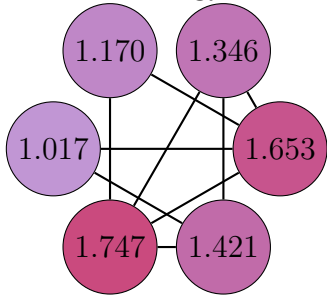
Graph 61, order 6.
Total energy: 7.363

1.150 1.150
0.721 2.039
1.150 1.150
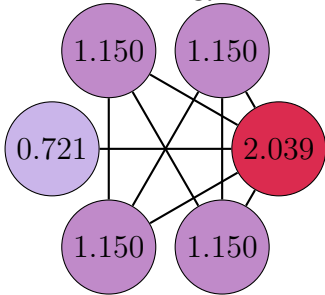
Graph 65, order 6.
Total energy: 7.790

1.178 1.178
0.886 1.512
1.512 1.525
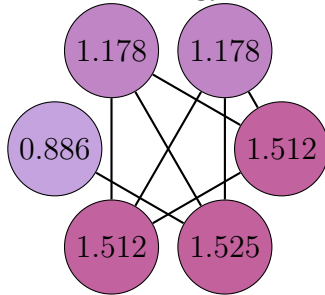
Graph 69, order 6.
Total energy: 8.367

1.106 1.106
1.112 1.998
1.414 1.631
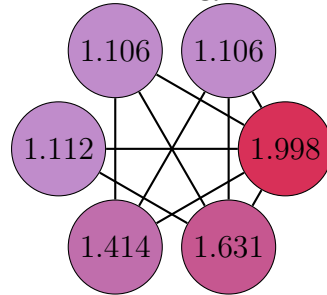
Graph 58, order 6.
Total energy: 8.739

1.060 1.269
1.060 1.955
1.698 1.698
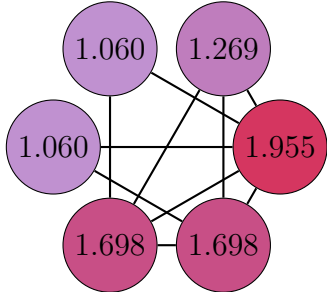
Graph 62, order 6.
Total energy: 8.253

1.003 1.273
0.729 1.777
1.735 1.735
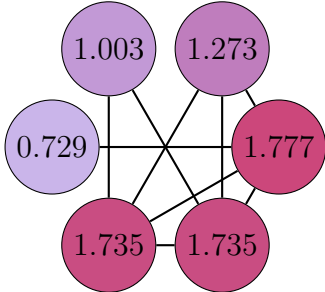
Graph 66, order 6.
Total energy: 6.928

1.155 1.155
1.155 1.155
1.155 1.155
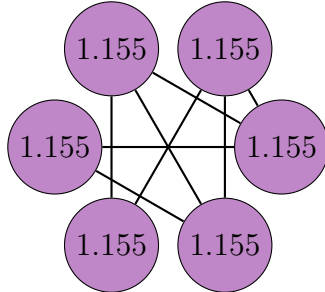
Graph 70, order 6.
Total energy: 8.585

1.079 1.079
1.013 1.889
1.636 1.889
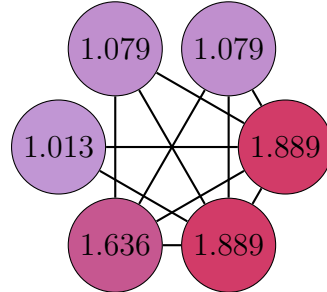
Graph 59, order 6.
Total energy: 6.633

1.206 1.206
0.905 1.508
0.905 0.905
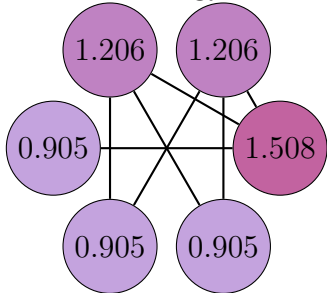
Graph 63, order 6.
Total energy: 8.059

1.156 1.156
0.855 1.732
1.769 1.389
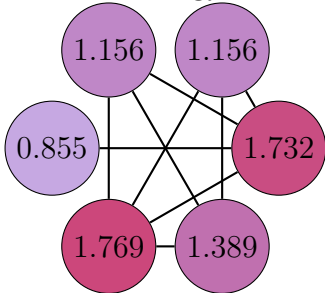
Graph 67, order 6.
Total energy: 8.047

1.143 1.143
1.120 1.737
1.166 1.737
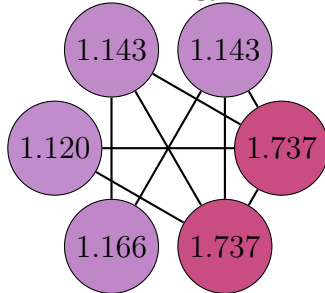
Graph 71, order 6.
Total energy: 7.620

1.110 1.110
0.957 1.713
1.364 1.364
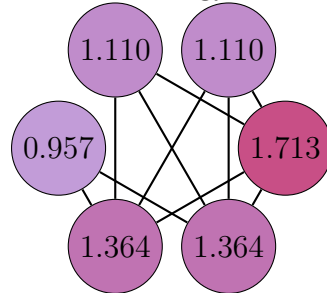
Graph 60, order 6.
Total energy: 7.217

1.185 1.185
0.712 1.821
1.328 0.986
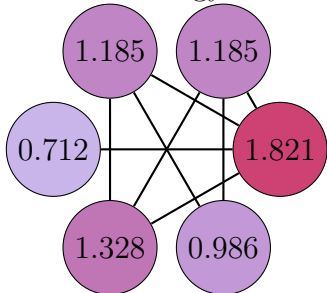
Graph 64, order 6.
Total energy: 8.302

1.120 1.120
0.777 1.953
1.666 1.666
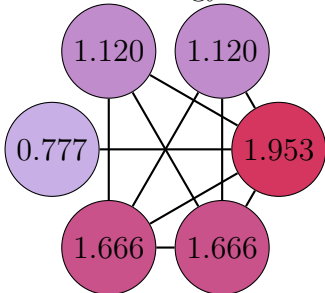
Graph 68, order 6.
Total energy: 7.588

1.103 1.103
1.008 1.586
1.518 1.270
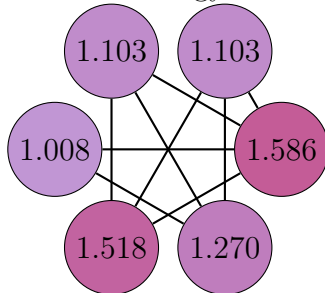
Graph 72, order 6.
Total energy: 6.000

1.000 1.000
1.000 1.000
1.000 1.000

5
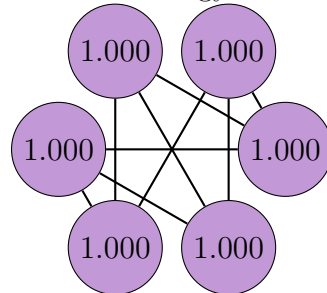
Graph 73, order 6.
Total energy: 7.435

0.985 0.985
0.985 1.641
1.641 1.200
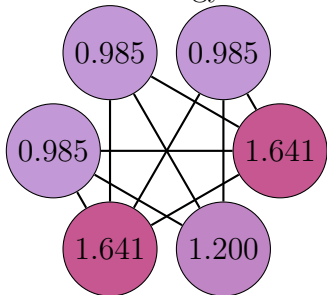
Graph 77, order 6.
Total energy: 7.732

1.351 1.571
1.571 1.380
0.795 1.064
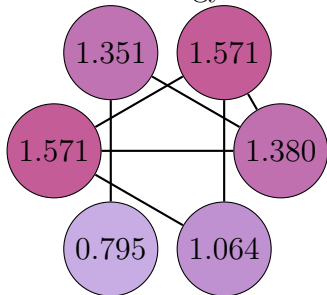
Graph 81, order 6.
Total energy: 8.472

1.124 1.494
1.494 1.618
1.124 1.618
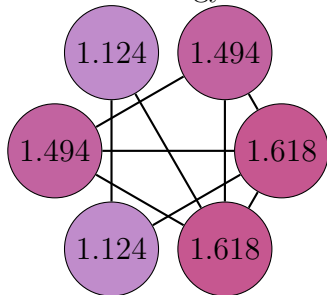
Graph 85, order 6.
Total energy: 8.704

1.434 1.505
1.505 1.674
1.305 1.283
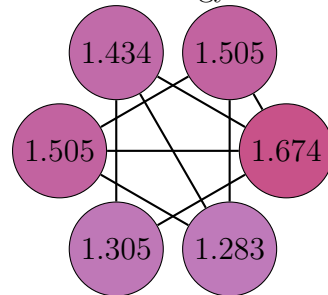
Graph 74, order 6.
Total energy: 7.533

0.970 0.970
0.970 1.954
1.335 1.335
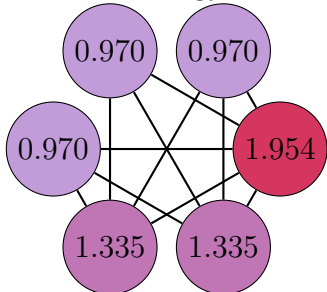
Graph 78, order 6.
Total energy: 8.427

1.316 1.484
1.484 1.756
0.901 1.484
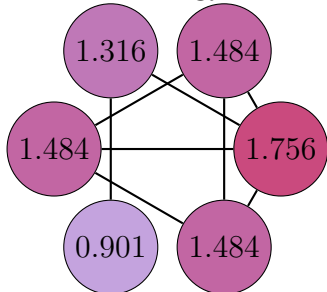
Graph 82, order 6.
Total energy: 8.293

1.431 1.431
1.284 1.431
1.284 1.431
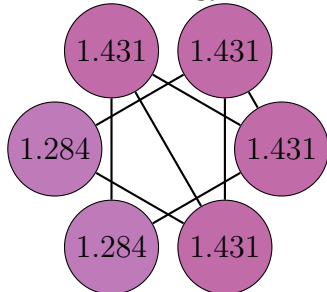
Graph 86, order 6.
Total energy: 9.234

1.466 1.463
1.463 2.001
1.207 1.634
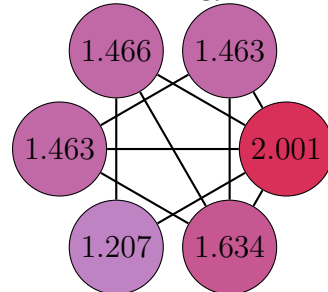
Graph 75, order 6.
Total energy: 8.325

0.949 0.949
0.949 1.826
1.826 1.826
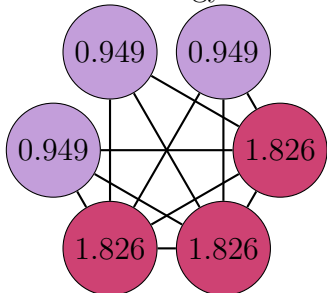
Graph 79, order 6.
Total energy: 8.698

1.293 1.560
1.560 1.827
1.293 1.167
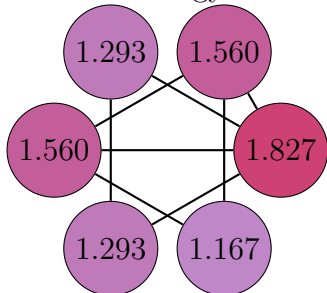
Graph 83, order 6.
Total energy: 8.858

1.485 1.485
1.197 1.746
1.197 1.746
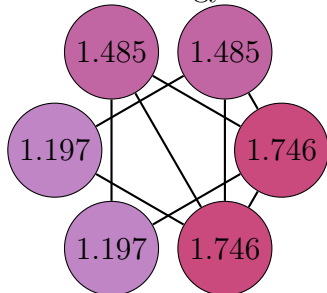
Graph 87, order 6.
Total energy: 8.745

1.490 1.490
1.490 1.393
1.490 1.393
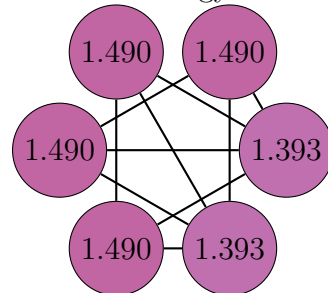
Graph 76, order 6.
Total energy: 8.293

1.287 1.573
1.287 1.573
1.287 1.287
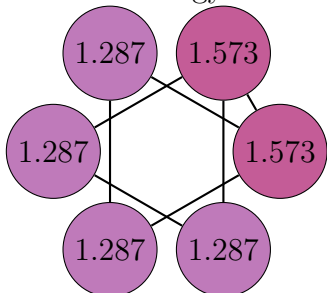
Graph 80, order 6.
Total energy: 9.203

1.310 1.495
1.495 2.098
1.310 1.495
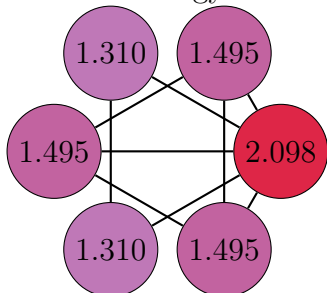
Graph 84, order 6.
Total energy: 8.708

1.535 1.438
1.438 1.715
0.865 1.715
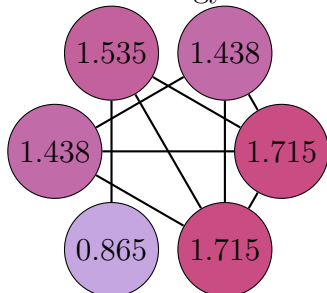
Graph 88, order 6.
Total energy: 9.657

1.457 1.457
1.457 1.914
1.457 1.914
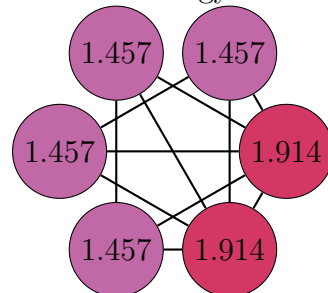
Graph 89, order 6.
Total energy: 8.887

0.862 1.661
1.661 1.703
1.661 1.340
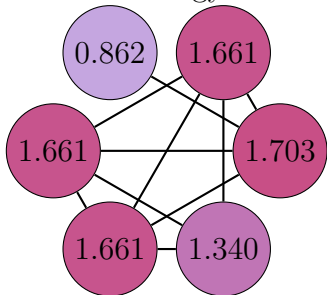
Graph 93, order 6.
Total energy: 9.276

1.161 1.626
1.626 1.907
1.346 1.610
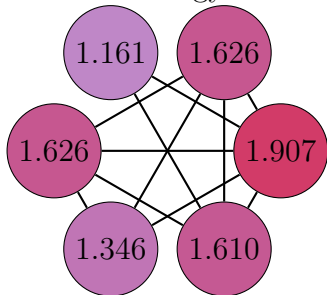
Graph 97, order 6.
Total energy: 8.958

1.488 1.503
1.488 1.758
1.503 1.219
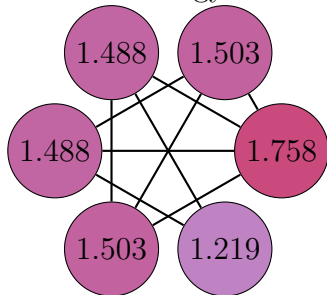
Graph 101, order 6.
Total energy: 8.755

1.291 1.637
1.450 1.637
1.450 1.291
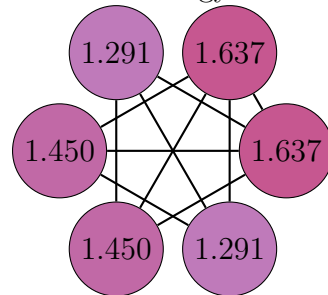
Graph 90, order 6.
Total energy: 9.068

0.805 1.592
1.592 1.895
1.592 1.592
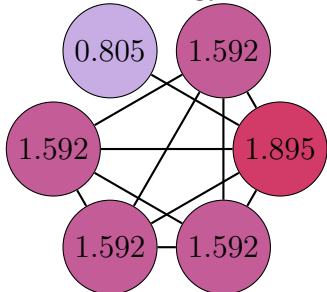
Graph 94, order 6.
Total energy: 9.493

1.099 1.572
1.572 1.838
1.572 1.838
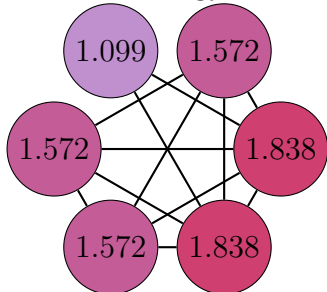
Graph 98, order 6.
Total energy: 9.371

1.466 1.466
1.466 2.041
1.466 1.466
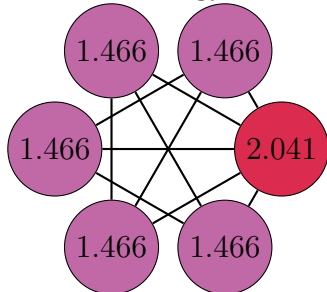
Graph 102, order 6.
Total energy: 8.979

1.282 1.514
1.436 1.950
1.282 1.514
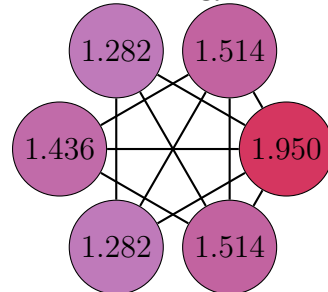
Graph 91, order 6.
Total energy: 9.123

1.152 1.705
1.705 1.705
1.152 1.705
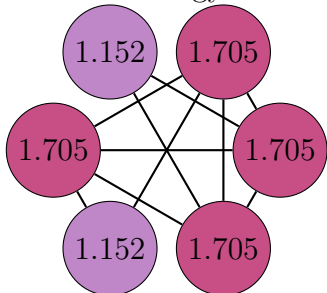
Graph 95, order 6.
Total energy: 8.819

1.538 1.538
1.311 1.560
1.560 1.311
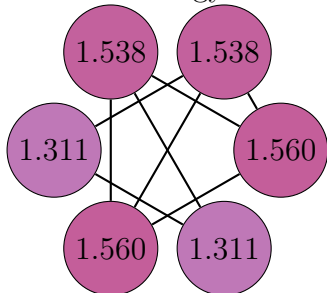
Graph 99, order 6.
Total energy: 8.000

1.333 1.333
1.333 1.333
1.333 1.333
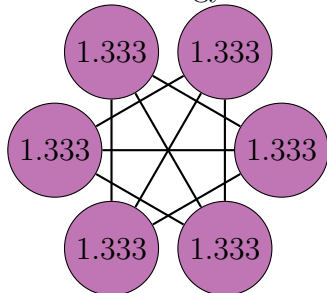
Graph 103, order 6.
Total energy: 9.474

1.340 1.550
1.340 1.847
1.550 1.847
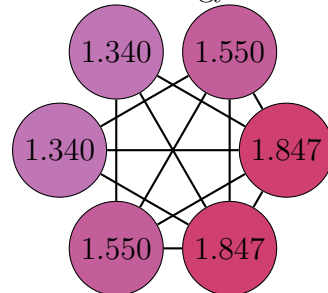
Graph 92, order 6.
Total energy: 8.757

1.084 1.663
1.663 1.558
1.454 1.333
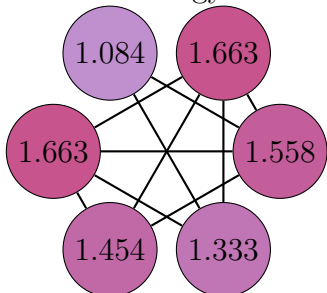
Graph 96, order 6.
Total energy: 8.139

1.467 1.528
1.528 1.326
1.145 1.145
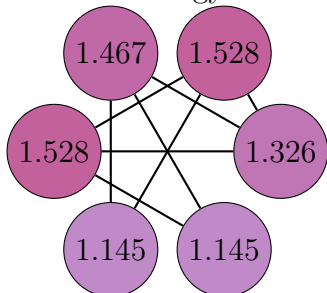
Graph 100, order 6.
Total energy: 8.761

1.307 1.592
1.239 1.725
1.307 1.592
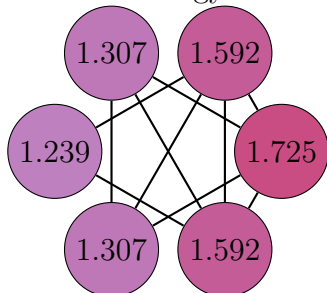
Graph 104, order 6.
Total energy: 9.607

1.239 1.513
1.513 1.781
1.781 1.781
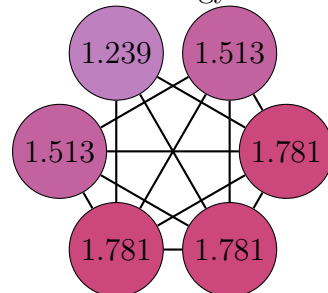
Graph 105, order 6.
Total energy: 8.828

1.207 1.604
1.604 1.604
1.207 1.604
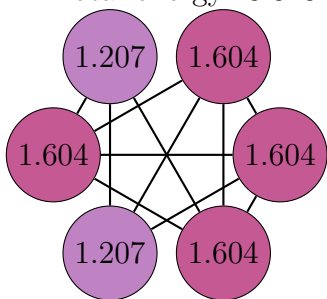
Graph 107, order 6.
Total energy: 8.663

1.351 1.351
1.628 1.628
1.352 1.352
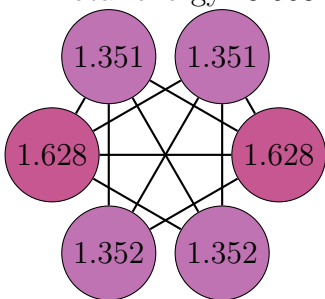
Graph 109, order 6.
Total energy: 8.000

1.333 1.333
1.333 1.333
1.333 1.333
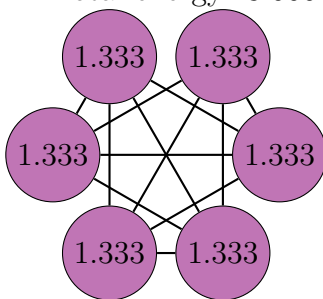
Graph 111, order 6.
Total energy: 9.403

1.249 1.249
1.726 1.726
1.726 1.726
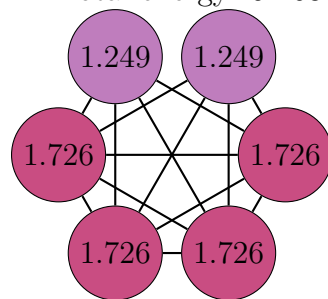
Graph 106, order 6.
Total energy: 8.559

1.331 1.331
1.624 1.624
1.025 1.624
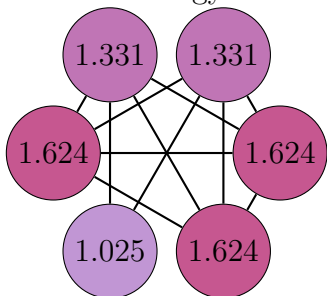
Graph 108, order 6.
Total energy: 8.859

1.311 1.311
1.557 1.886
1.236 1.557
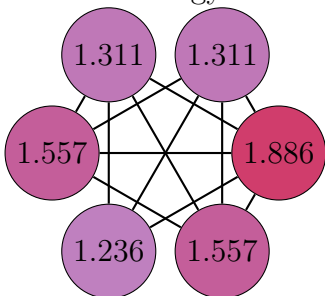
Graph 110, order 6.
Total energy: 8.745

1.283 1.283
1.283 1.806
1.283 1.806
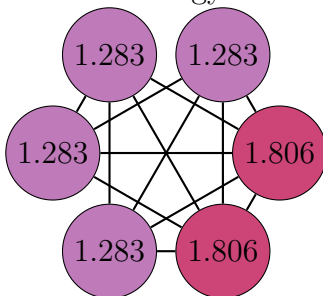
Graph 112, order 6.
Total energy: 10.000

1.667 1.667
1.667 1.667
1.667 1.667