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```
"/Users/Daantje/Desktop/LMU_Studium/Informatik/Skripte & Co./Master/Masterarbeit/quantum_graph_coalition_structure/venv/bin/python" -Xmx6g /Applications/PyCharm.app/Contents/plugins/python/helpers/pydev/pydevconsole.py --mode=client --host=127.0.0.1 --port=52086
```

```
import sys; print('Python %s on %s' % (sys.version, sys.platform))
sys.path.extend(['/Users/Daantje/Desktop/LMU_Studium/Informatik/Skripte & Co./Master/Masterarbeit/quantum_graph_coalition_structure'])
```

PyDev console: starting.

```
Python 3.10.4 (v3.10.4:9d38120e33, Mar 23 2022, 17:29:05) [Clang 13.0.0 (clang-1300.0.29.30)] on darwin
>>> runfile('/Users/Daantje/Desktop/LMU_Studium/Informatik/Skripte & Co./Master/Masterarbeit/quantum_graph_coalition_structure/main.py', wdir='/Users/Daantje/Desktop/LMU_Studium/Informatik/Skripte & Co./Master/Masterarbeit/quantum_graph_coalition_structure')
Seed: 3949468976
```

Test for graphsize 4

Graph 0

```
Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.028954843277226416 -
Time: 0.45525026321411133
None
```

Graph 1

```
Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.5708825220945002 -
Time: 0.4484879970550537
None
```

Graph 2

```
Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.00712843874983804 -
Time: 0.4516017436981201
None
```

Graph 3

```
Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.06152625301075432 -
Time: 0.51485276222229
None
```

Graph 4

```
Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.06396917936914548 -
Time: 0.5403389930725098
None
```

Graph 5

```
Running ours_n_half_qbsolv...
```

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Coalition structure value for ours_n_half_qbsolv: 0.10380144569396066 -
Time: 0.5097520351409912
None

Graph 6

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.05554082850606079 -
Time: 0.45401811599731445
None

Graph 7

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.038931269477402 - Time
: 0.45776891708374023
None

Graph 8

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.042007430425400116 -
Time: 0.8829820156097412
None

Graph 9

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.0010690439865044254 -
Time: 0.8086121082305908
None

Graph 10

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.2197142340515299 -
Time: 0.6672329902648926
None

Graph 11

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.2770576453315883 -
Time: 0.5251786708831787
None

Graph 12

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.06753117632182892 -
Time: 0.48505210876464844
None

Graph 13

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.01673789206527232 -
Time: 0.46175479888916016
None

Graph 14

```
Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.03599345154763256 -
Time: 0.4612269401550293
None
```

Graph 15

```
Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.10695262062797894 -
Time: 0.450761079788208
None
```

Graph 16

```
Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.06090302529973002 -
Time: 0.457399845123291
None
```

Graph 17

```
Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.37306828772501177 -
Time: 0.47457289695739746
None
```

Graph 18

```
Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.06615960564805334 -
Time: 0.4753539562225342
None
```

Graph 19

```
Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.24253747559571082 -
Time: 0.4579439163208008
None
```

Test for graphsize 6

Graph 0

```
Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.4037548984604129 -
Time: 0.4027738571166992
None
```

Graph 1

```
Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.14602401068624005 -
Time: 0.36295390129089355
```

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None

Graph 2

Running ours_n_half_qbsolv...

Coalition structure value for ours_n_half_qbsolv: 0.12639840396634128 -

Time: 0.23533391952514648

None

Graph 3

Running ours_n_half_qbsolv...

Coalition structure value for ours_n_half_qbsolv: 0.1447468748308225 -

Time: 0.3493990898132324

None

Graph 4

Running ours_n_half_qbsolv...

Coalition structure value for ours_n_half_qbsolv: 0.2074140190053555 -

Time: 0.38385939598083496

None

Graph 5

Running ours_n_half_qbsolv...

Coalition structure value for ours_n_half_qbsolv: 0.21629539194693592 -

Time: 0.27626895904541016

None

Graph 6

Running ours_n_half_qbsolv...

Coalition structure value for ours_n_half_qbsolv: 0.1032573088773745 -

Time: 0.2748279571533203

None

Graph 7

Running ours_n_half_qbsolv...

Coalition structure value for ours_n_half_qbsolv: 0.08555938986791745 -

Time: 0.34212183952331543

None

Graph 8

Running ours_n_half_qbsolv...

Coalition structure value for ours_n_half_qbsolv: 0.13737909873700005 -

Time: 0.2665691375732422

None

Graph 9

Running ours_n_half_qbsolv...

Coalition structure value for ours_n_half_qbsolv: 0.23536312556377226 -

Time: 0.28299713134765625

None

File - unknown

Graph 10

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.2985191363911497 -
Time: 0.37246274948120117
None

Graph 11

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.1310541476422742 -
Time: 0.27529001235961914
None

Graph 12

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.20825406819544412 -
Time: 0.45884227752685547
None

Graph 13

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.2924666692276716 -
Time: 0.509268045425415
None

Graph 14

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.8758237641815896 -
Time: 0.2942540645599365
None

Graph 15

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.29878868277545223 -
Time: 0.44457125663757324
None

Graph 16

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.5885124948454461 -
Time: 0.5419101715087891
None

Graph 17

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.19838467424926165 -
Time: 0.4338343143463135
None

Graph 18

Running ours_n_half_qbsolv...

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Coalition structure value for ours_n_half_qbsolv: 0.11297024288754187 -
Time: 0.43786001205444336
None

Graph 19

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.9194011936254896 -
Time: 0.32820701599121094
None

Test for graphsize 8

Graph 0

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.4037548984604129 -
Time: 0.4114799499511719
None

Graph 1

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.14602401068624005 -
Time: 0.38893675804138184
None

Graph 2

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.12639840396634128 -
Time: 0.362001895904541
None

Graph 3

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.1447468748308225 -
Time: 0.46114301681518555
None

Graph 4

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.2074140190053555 -
Time: 0.4373202323913574
None

Graph 5

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.21629539194693592 -
Time: 0.32854580879211426
None

Graph 6

File - unknown

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.1032573088773745 -
Time: 0.4512350559234619
None

Graph 7

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.08555938986791745 -
Time: 0.40610218048095703
None

Graph 8

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.13737909873700005 -
Time: 0.43006014823913574
None

Graph 9

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.23536312556377226 -
Time: 0.35564708709716797
None

Graph 10

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.2985191363911497 -
Time: 0.4431798458099365
None

Graph 11

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.1310541476422742 -
Time: 0.4321107864379883
None

Graph 12

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.20825406819544412 -
Time: 0.39627695083618164
None

Graph 13

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.2924666692276716 -
Time: 0.4689617156982422
None

Graph 14

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.8758237641815896 -
Time: 0.5033988952636719

File - unknown

None

Graph 15

Running ours_n_half_qbsolv...

Coalition structure value for ours_n_half_qbsolv: 0.29878868277545223 -

Time: 0.5013401508331299

None

Graph 16

Running ours_n_half_qbsolv...

Coalition structure value for ours_n_half_qbsolv: 0.5885124948454461 -

Time: 0.3497049808502197

None

Graph 17

Running ours_n_half_qbsolv...

Coalition structure value for ours_n_half_qbsolv: 0.19838467424926165 -

Time: 0.3714289665222168

None

Graph 18

Running ours_n_half_qbsolv...

Coalition structure value for ours_n_half_qbsolv: 0.11297024288754187 -

Time: 0.471895694732666

None

Graph 19

Running ours_n_half_qbsolv...

Coalition structure value for ours_n_half_qbsolv: 0.9194011936254896 -

Time: 0.3468048572540283

None

Test for graphsize 10

Graph 0

Running ours_n_half_qbsolv...

Coalition structure value for ours_n_half_qbsolv: 0.850779136467672 - Time

: 4.907031059265137

None

Graph 1

Running ours_n_half_qbsolv...

Coalition structure value for ours_n_half_qbsolv: 2.113205218829208 - Time

: 4.014008045196533

None

Graph 2

Running ours_n_half_qbsolv...

Coalition structure value for ours_n_half_qbsolv: 0.33784569217207405 -

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Time: 4.297800064086914
None

Graph 3

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.4612950977452286 -
Time: 4.7481348514556885
None

Graph 4

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.16780273947890834 -
Time: 5.846839189529419
None

Graph 5

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.044044789115567 - Time
: 3.82757306098938
None

Graph 6

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.12039452902203607 -
Time: 4.955560922622681
None

Graph 7

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.726339025546757 - Time
: 4.120767831802368
None

Graph 8

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.652738888772592 -
Time: 4.193333864212036
None

Graph 9

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.3547436014939933 -
Time: 4.051339864730835
None

Graph 10

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.6588998527449874 -
Time: 3.726469039916992
None

Graph 11

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.6441125032737318 -
Time: 4.372550964355469
None

Graph 12

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.6905379099888833 -
Time: 4.432762145996094
None

Graph 13

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.2492454155493249 -
Time: 4.97504734992981
None

Graph 14

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.39705675702467147 -
Time: 3.9186949729919434
None

Graph 15

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.1076973646763904 -
Time: 3.760885000228882
None

Graph 16

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.5195958328469317 -
Time: 3.9897143840789795
None

Graph 17

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.5224072535037649 -
Time: 3.7670059204101562
None

Graph 18

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.4516002911853718 -
Time: 6.090534925460815
None

Graph 19

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```
Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.8013746780583304 -
Time: 4.160125017166138
None
```

Test for graphsize 12

Graph 0

```
Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.6150486301365916 -
Time: 4.13246488571167
None
```

Graph 1

```
Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.082427022828277 - Time
: 4.352368354797363
None
```

Graph 2

```
Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.38475651674715294 -
Time: 5.417824983596802
None
```

Graph 3

```
Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.560367844286219 - Time
: 4.219621896743774
None
```

Graph 4

```
Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.44488729516555026 -
Time: 4.525758981704712
None
```

Graph 5

```
Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.8431061084135649 -
Time: 4.130203008651733
None
```

Graph 6

```
Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.7639394580685206 -
Time: 6.209299802780151
None
```

Graph 7

File - unknown

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.7792806079405281 -
Time: 6.986574172973633
None

Graph 8

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.2591533310888252 -
Time: 5.458754777908325
None

Graph 9

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.5954578349497766 -
Time: 4.039110898971558
None

Graph 10

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.6059122564815951 -
Time: 4.591929197311401
None

Graph 11

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.702289163217074 - Time
: 4.253641128540039
None

Graph 12

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.8736191784041978 -
Time: 4.118061065673828
None

Graph 13

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.6561829802817627 -
Time: 4.486093044281006
None

Graph 14

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.4616685125603937 -
Time: 4.123047113418579
None

Graph 15

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.5777465750025783 -

File - unknown

Time: 4.741348028182983
None

Graph 16

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.1582704298219042 -
Time: 4.024915933609009
None

Graph 17

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.6098161453602629 -
Time: 4.062011003494263
None

Graph 18

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.2399354793810673 -
Time: 3.9769070148468018
None

Graph 19

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 2.201714058246395 - Time
: 3.9682869911193848
None

Test for graphsize 14

Graph 0

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.2801666702618846 -
Time: 7.988658905029297
None

Graph 1

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.9910337078295726 -
Time: 8.664955139160156
None

Graph 2

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.7896917547366726 -
Time: 8.922871112823486
None

Graph 3

Running ours_n_half_qbsolv...

File- unknown

Coalition structure value for ours_n_half_qbsolv: 0.32406091265609405 -
Time: 7.5121848583221436
None

Graph 4

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.7434000061760955 -
Time: 9.109986066818237
None

Graph 5

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.5577618317755935 -
Time: 7.552680015563965
None

Graph 6

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.8226613726159684 -
Time: 8.564152956008911
None

Graph 7

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.072236044635126 - Time
: 8.547632932662964
None

Graph 8

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.8416300286743024 -
Time: 7.603070020675659
None

Graph 9

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 2.4431815381742013 -
Time: 7.7302398681640625
None

Graph 10

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.6521493604439357 -
Time: 8.166853904724121
None

Graph 11

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.1170498230417039 -
Time: 8.053462028503418
None

Graph 12

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.6293034223394756 -
Time: 8.017744064331055
None

Graph 13

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.0358230118990974 -
Time: 8.372568130493164
None

Graph 14

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.0806199836372201 -
Time: 7.439860820770264
None

Graph 15

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.6937347837068302 -
Time: 8.007526874542236
None

Graph 16

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.8614475795839951 -
Time: 9.090716123580933
None

Graph 17

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.9888065387748739 -
Time: 7.999910831451416
None

Graph 18

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.8831225677352705 -
Time: 8.086829662322998
None

Graph 19

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.7870756382366793 -
Time: 7.244682788848877
None

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Test for graphsize 16

Graph 0

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.822906633005644 - Time
: 8.086747884750366
None

Graph 1

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.02240091914733 - Time
: 7.857347011566162
None

Graph 2

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.8919407950075495 -
Time: 11.45571780204773
None

Graph 3

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.8449224007561682 -
Time: 8.378441333770752
None

Graph 4

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.6262725262860229 -
Time: 8.110474109649658
None

Graph 5

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 3.2643274461642093 -
Time: 7.644551753997803
None

Graph 6

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.3304850667358323 -
Time: 8.298789978027344
None

Graph 7

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.0160665942924254 -
Time: 8.557381868362427
None

File - unknown

Graph 8

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.9121356510589749 -
Time: 8.33942174911499
None

Graph 9

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.9543621161819686 -
Time: 8.725677013397217
None

Graph 10

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.8229066330056085 -
Time: 8.545534133911133
None

Graph 11

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.0224009191474863 -
Time: 7.964416027069092
None

Graph 12

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.8919407950071729 -
Time: 8.396705627441406
None

Graph 13

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.8449224007551734 -
Time: 8.112817287445068
None

Graph 14

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.6262725262863498 -
Time: 8.53115701675415
None

Graph 15

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.5325696747462771 -
Time: 8.469996929168701
None

Graph 16

Running ours_n_half_qbsolv...

File- unknown

Coalition structure value for ours_n_half_qbsolv: 0.9404045759696231 -
Time: 8.257993936538696
None

Graph 17

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.11076397406012 - Time
: 8.048779964447021
None

Graph 18

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.333519919451696 - Time
: 8.868342876434326
None

Graph 19

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.3821471550545326 -
Time: 8.339829921722412
None

Test for graphsize 18

Graph 0

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.22958232134755 - Time
: 9.31945514678955
None

Graph 1

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.9642698128749885 -
Time: 9.27254605293274
None

Graph 2

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.7324635199480483 -
Time: 10.17620587348938
None

Graph 3

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.9489845542806634 -
Time: 8.71198582649231
None

Graph 4

File - unknown

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.5284612501546704 -
Time: 9.364115953445435
None

Graph 5

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.5069596362593671 -
Time: 9.48422884941101
None

Graph 6

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.4521889657959477 -
Time: 8.966702938079834
None

Graph 7

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.0738307702452161 -
Time: 8.680871725082397
None

Graph 8

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.9280845774882422 -
Time: 8.901468992233276
None

Graph 9

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.2154281540707146 -
Time: 9.319596767425537
None

Graph 10

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.4225599222920451 -
Time: 9.088865041732788
None

Graph 11

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.2671337334371202 -
Time: 8.773422956466675
None

Graph 12

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.550146932461665 - Time
: 9.252694129943848

File - unknown

None

Graph 13

Running ours_n_half_qbsolv...

Coalition structure value for ours_n_half_qbsolv: 0.23850950742086496 -

Time: 8.051563024520874

None

Graph 14

Running ours_n_half_qbsolv...

Coalition structure value for ours_n_half_qbsolv: 0.5123579767928774 -

Time: 8.341644048690796

None

Graph 15

Running ours_n_half_qbsolv...

Coalition structure value for ours_n_half_qbsolv: 0.7876205949141379 -

Time: 8.200098037719727

None

Graph 16

Running ours_n_half_qbsolv...

Coalition structure value for ours_n_half_qbsolv: 1.0064599804971195 -

Time: 9.033989191055298

None

Graph 17

Running ours_n_half_qbsolv...

Coalition structure value for ours_n_half_qbsolv: 0.9666033216792229 -

Time: 8.656708717346191

None

Graph 18

Running ours_n_half_qbsolv...

Coalition structure value for ours_n_half_qbsolv: 0.939148613571426 - Time

: 8.646838188171387

None

Graph 19

Running ours_n_half_qbsolv...

Coalition structure value for ours_n_half_qbsolv: 0.8620304898268571 -

Time: 9.496968030929565

None

Test for graphsize 20

Graph 0

Running ours_n_half_qbsolv...

Coalition structure value for ours_n_half_qbsolv: 1.2286198003634965 -

File - unknown

Time: 8.957147121429443

None

Graph 1

Running ours_n_half_qbsolv...

Coalition structure value for ours_n_half_qbsolv: 1.146804753056955 - Time
: 9.118481874465942

None

Graph 2

Running ours_n_half_qbsolv...

Coalition structure value for ours_n_half_qbsolv: 1.1055289628951073 -
Time: 9.581601858139038

None

Graph 3

Running ours_n_half_qbsolv...

Coalition structure value for ours_n_half_qbsolv: 0.9308740224380188 -
Time: 9.138008117675781

None

Graph 4

Running ours_n_half_qbsolv...

Coalition structure value for ours_n_half_qbsolv: 1.759847876834371 - Time
: 8.857460021972656

None

Graph 5

Running ours_n_half_qbsolv...

Coalition structure value for ours_n_half_qbsolv: 0.8329240585346938 -
Time: 9.252250909805298

None

Graph 6

Running ours_n_half_qbsolv...

Coalition structure value for ours_n_half_qbsolv: 1.2720059272304098 -
Time: 9.467457056045532

None

Graph 7

Running ours_n_half_qbsolv...

Coalition structure value for ours_n_half_qbsolv: 1.010634009675634 - Time
: 9.046591997146606

None

Graph 8

Running ours_n_half_qbsolv...

Coalition structure value for ours_n_half_qbsolv: 0.9555164697122933 -
Time: 9.267143964767456

None

File - unknown

Graph 9

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.1140725334617159 -
Time: 8.902369976043701
None

Graph 10

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.1086714555953918 -
Time: 9.286368131637573
None

Graph 11

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.3901409670808889 -
Time: 9.460500955581665
None

Graph 12

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.8273616108029387 -
Time: 10.461238145828247
None

Graph 13

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.5096587190417594 -
Time: 9.055040121078491
None

Graph 14

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.142733334196528 - Time
: 10.727812051773071
None

Graph 15

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.338581728684872 - Time
: 9.679483890533447
None

Graph 16

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.4018693972730745 -
Time: 9.549707174301147
None

Graph 17

File- unknown

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.516596878262611 - Time
: 9.684765100479126
None

Graph 18

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.0512632971854572 -
Time: 9.451519966125488
None

Graph 19

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.7348132032658938 -
Time: 9.0068359375
None

Test for graphsize 22

Graph 0

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.3789109416829959 -
Time: 9.691012144088745
None

Graph 1

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.1445445552090874 -
Time: 9.802418231964111
None

Graph 2

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.1527341057839138 -
Time: 10.602858066558838
None

Graph 3

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 0.8386235254101209 -
Time: 10.836452960968018
None

Graph 4

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.4141131952076123 -
Time: 9.601394891738892
None

Graph 5

File - unknown

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.2311338513693997 -
Time: 9.995258092880249
None

Graph 6

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.9295166795682377 -
Time: 9.043919086456299
None

Graph 7

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.4769895353490199 -
Time: 10.14797306060791
None

Graph 8

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.221000462496292 - Time
: 9.534975051879883
None

Graph 9

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.3166678866445665 -
Time: 10.194936752319336
None

Graph 10

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.4844338943951811 -
Time: 10.0034921169281
None

Graph 11

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.2221165947339898 -
Time: 11.113481998443604
None

Graph 12

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.67675443249464 - Time
: 9.42541790008545
None

Graph 13

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.7808146272583585 -

File - unknown

Time: 11.493162155151367
None

Graph 14

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.3645584596682312 -
Time: 9.848953008651733
None

Graph 15

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.2948763920489057 -
Time: 10.223450183868408
None

Graph 16

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.3757912013005225 -
Time: 9.290250062942505
None

Graph 17

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.108844836437882 - Time
: 9.333538055419922
None

Graph 18

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.3414015011873701 -
Time: 10.010905027389526
None

Graph 19

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.7448801101228497 -
Time: 9.649780035018921
None

Test for graphsize 24

Graph 0

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.7010052388675874 -
Time: 11.49429202079773
None

Graph 1

Running ours_n_half_qbsolv...

File- unknown

Coalition structure value for ours_n_half_qbsolv: 1.3886139829530038 -
Time: 15.960822820663452
None

Graph 2

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.5827599824100815 -
Time: 14.379832983016968
None

Graph 3

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.5924746022500145 -
Time: 11.9326810836792
None

Graph 4

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.57079474839486 - Time
: 12.775173902511597
None

Graph 5

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.3426834078204877 -
Time: 11.700829982757568
None

Graph 6

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.4906366941049853 -
Time: 12.438842058181763
None

Graph 7

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.3171557162028549 -
Time: 12.312219858169556
None

Graph 8

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.62116363968439 - Time
: 17.85806703567505
None

Graph 9

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.1355862586534258 -
Time: 12.13265585899353
None

Graph 10

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.3721065249381823 -
Time: 12.09615683555603
None

Graph 11

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.5708787552799706 -
Time: 15.372460126876831
None

Graph 12

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.3241178248075869 -
Time: 13.953927993774414
None

Graph 13

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.811060936422372 - Time
: 13.787605047225952
None

Graph 14

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.816278325728014 - Time
: 13.882957935333252
None

Graph 15

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.4883841820783488 -
Time: 12.237858057022095
None

Graph 16

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.3263648141889561 -
Time: 14.107816934585571
None

Graph 17

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.7055631245185978 -
Time: 12.348275899887085
None

Graph 18

File - unknown

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.447440198799562 - Time
: 13.623709917068481
None

Graph 19

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.9196240992240305 -
Time: 12.56090497970581
None

Test for graphsize 26

Graph 0

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.9275312464485168 -
Time: 14.15300989151001
None

Graph 1

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.9082577259881361 -
Time: 21.302387952804565
None

Graph 2

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.5729638131652308 -
Time: 13.063504934310913
None

Graph 3

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.9552111194626889 -
Time: 14.364240884780884
None

Graph 4

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.5029838005635696 -
Time: 13.462782859802246
None

Graph 5

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.4744191862071574 -
Time: 14.835041046142578
None

File - unknown

Graph 6

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 2.1619977227798017 -
Time: 13.74171781539917
None

Graph 7

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.6961258350955077 -
Time: 16.1199049949646
None

Graph 8

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.7862359408452448 -
Time: 12.576892137527466
None

Graph 9

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 2.074759205108485 - Time
: 15.005388736724854
None

Graph 10

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.837086002332633 - Time
: 13.36803913116455
None

Graph 11

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.2409073975555813 -
Time: 14.681916952133179
None

Graph 12

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.6795941655149207 -
Time: 14.539838314056396
None

Graph 13

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.9878145093575128 -
Time: 13.364835262298584
None

Graph 14

Running ours_n_half_qbsolv...

File- unknown

Coalition structure value for ours_n_half_qbsolv: 1.6557715426500152 -
Time: 14.125404119491577
None

Graph 15

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.9392763337633028 -
Time: 13.105530977249146
None

Graph 16

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.679067250405403 - Time
: 15.885998964309692
None

Graph 17

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.7729039084590497 -
Time: 15.877269983291626
None

Graph 18

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 2.0167658061418194 -
Time: 13.170495986938477
None

Graph 19

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 2.2023526251088157 -
Time: 12.41952395439148
None

Test for graphsize 28

Graph 0

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 2.102415248660037 - Time
: 15.162356853485107
None

Graph 1

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.7564689501037805 -
Time: 16.618560075759888
None

Graph 2

File - unknown

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.9487780294415487 -
Time: 20.175445079803467
None

Graph 3

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.7278676435872669 -
Time: 21.958024263381958
None

Graph 4

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.9519000169963547 -
Time: 17.14864206314087
None

Graph 5

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.844443706537085 - Time
: 16.9155170917511
None

Graph 6

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 1.751562178646921 - Time
: 14.471650123596191
None

Graph 7

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 2.147540277130666 - Time
: 16.921377182006836
None

Graph 8

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 2.450492598571003 - Time
: 22.528064966201782
None

Graph 9

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 2.632817062897253 - Time
: 13.851923942565918
None

Graph 10

Running ours_n_half_qbsolv...
Coalition structure value for ours_n_half_qbsolv: 2.0368985620604505 -
Time: 15.760706901550293

File - unknown

None

Graph 11

Running ours_n_half_qbsolv...

Coalition structure value for ours_n_half_qbsolv: 1.824350813344246 - Time
: 14.345557928085327

None

Graph 12

Running ours_n_half_qbsolv...

Coalition structure value for ours_n_half_qbsolv: 1.928146562659343 - Time
: 14.413226127624512

None

Graph 13

Running ours_n_half_qbsolv...

Coalition structure value for ours_n_half_qbsolv: 2.6321889486832077 -
Time: 14.096265077590942

None

Graph 14

Running ours_n_half_qbsolv...

Coalition structure value for ours_n_half_qbsolv: 1.634885555046111 - Time
: 14.848925828933716

None

Graph 15

Running ours_n_half_qbsolv...

Coalition structure value for ours_n_half_qbsolv: 2.2890933628745316 -
Time: 21.352387189865112

None

Graph 16

Running ours_n_half_qbsolv...

Coalition structure value for ours_n_half_qbsolv: 2.569843289461332 - Time
: 30.558384895324707

None

Graph 17

Running ours_n_half_qbsolv...

Coalition structure value for ours_n_half_qbsolv: 1.8604912623196768 -
Time: 32.65317511558533

None

Graph 18

Running ours_n_half_qbsolv...

Coalition structure value for ours_n_half_qbsolv: 2.2661988687358203 -
Time: 18.23242473602295

None

File - unknown

Graph 19

Running ours_n_half_qbsolv...

Coalition structure value for ours_n_half_qbsolv: 2.2211219918747673 -

Time: 22.72300696372986

None

Test for graphsize 4

Graph 0

Running ours_n_qbsolv...

Coalition structure value for ours_n_qbsolv: 0.028954843277226416 - Time:
0.28984808921813965

None

Graph 1

Running ours_n_qbsolv...

Coalition structure value for ours_n_qbsolv: 0.5708825220945002 - Time: 0.
322908878326416

None

Graph 2

Running ours_n_qbsolv...

Coalition structure value for ours_n_qbsolv: 0.00712843874983804 - Time: 0.
.33191394805908203

None

Graph 3

Running ours_n_qbsolv...

Coalition structure value for ours_n_qbsolv: 0.06152625301075432 - Time: 0.
.280275821685791

None

Graph 4

Running ours_n_qbsolv...

Coalition structure value for ours_n_qbsolv: 0.06396917936914548 - Time: 0.
.2745828628540039

None

Graph 5

Running ours_n_qbsolv...

Coalition structure value for ours_n_qbsolv: 0.10380144569396066 - Time: 0.
.26746606826782227

None

Graph 6

Running ours_n_qbsolv...

Coalition structure value for ours_n_qbsolv: 0.05554082850606079 - Time: 0.
.25983381271362305

None

File - unknown

Graph 7

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.038931269477402 - Time: 0.
2994718551635742
None

Graph 8

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.042007430425400116 - Time:
0.25405120849609375
None

Graph 9

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.0010690439865044254 - Time
: 0.48781800270080566
None

Graph 10

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.2197142340515299 - Time: 0.
3574080467224121
None

Graph 11

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.2770576453315883 - Time: 0.
38608694076538086
None

Graph 12

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.06753117632182892 - Time: 0
.2580599784851074
None

Graph 13

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.01673789206527232 - Time: 0
.26181507110595703
None

Graph 14

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.03599345154763256 - Time: 0
.2778968811035156
None

Graph 15

File - unknown

```
Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.10695262062797894 - Time: 0
.30209898948669434
None
```

Graph 16

```
Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.06090302529973002 - Time: 0
.2861311435699463
None
```

Graph 17

```
Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.37306828772501177 - Time: 0
.344433069229126
None
```

Graph 18

```
Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.06615960564805334 - Time: 0
.2596709728240967
None
```

Graph 19

```
Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.24253747559571082 - Time: 0
.2638869285583496
None
```

Test for graphsize 6

Graph 0

```
Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.4037548984604129 - Time: 0.
4773099422454834
None
```

Graph 1

```
Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.14602401068624005 - Time: 0
.34986400604248047
None
```

Graph 2

```
Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.12639840396634128 - Time: 0
.3525409698486328
None
```

Graph 3

File - unknown

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.1447468748308225 - Time: 0.
3237311840057373
None

Graph 4

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.2074140190053555 - Time: 0.
43668508529663086
None

Graph 5

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.21629539194693592 - Time: 0.
.43529200553894043
None

Graph 6

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.1032573088773745 - Time: 0.
4231259822845459
None

Graph 7

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.08555938986791745 - Time: 0.
.5322949886322021
None

Graph 8

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.13737909873700005 - Time: 0.
.3939220905303955
None

Graph 9

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.23536312556377226 - Time: 0.
.41980886459350586
None

Graph 10

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.2985191363911497 - Time: 0.
4262709617614746
None

Graph 11

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.1310541476422742 - Time: 0.

File - unknown
38904809951782227
None

Graph 12

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.20825406819544412 - Time: 0.
.49501800537109375
None

Graph 13

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.2924666692276716 - Time: 0.
5719292163848877
None

Graph 14

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.8758237641815896 - Time: 0.
4751279354095459
None

Graph 15

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.29878868277545223 - Time: 0.
.33173489570617676
None

Graph 16

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.5885124948454461 - Time: 0.
38210177421569824
None

Graph 17

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.19838467424926165 - Time: 0.
.47808289527893066
None

Graph 18

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.11297024288754187 - Time: 0.
.45261192321777344
None

Graph 19

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.9194011936254896 - Time: 0.
3542201519012451
None

File - unknown

Test for graphsize 8

Graph 0

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.4037548984604129 - Time: 6.
366536855697632
None

Graph 1

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.14602401068624005 - Time: 5
.738640308380127
None

Graph 2

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.12639840396634128 - Time: 5
.419951915740967
None

Graph 3

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.1447468748308225 - Time: 6.
4911370277404785
None

Graph 4

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.2074140190053555 - Time: 6.
625005006790161
None

Graph 5

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.21629539194693592 - Time: 6
.244388818740845
None

Graph 6

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.1032573088773745 - Time: 5.
791733980178833
None

Graph 7

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.08555938986791745 - Time: 6
.963766098022461
None

Graph 8

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.13737909873700005 - Time: 5
.848496913909912
None

Graph 9

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.23536312556377226 - Time: 5
.922765254974365
None

Graph 10

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.2985191363911497 - Time: 6.
198762893676758
None

Graph 11

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.1310541476422742 - Time: 6.
151033878326416
None

Graph 12

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.20825406819544412 - Time: 6
.095246076583862
None

Graph 13

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.2924666692276716 - Time: 6.
7779152393341064
None

Graph 14

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.8758237641815896 - Time: 6.
490775108337402
None

Graph 15

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.29878868277545223 - Time: 5
.926822900772095
None

Graph 16

File - unknown

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.5885124948454461 - Time: 6.
091378927230835
None

Graph 17

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.19838467424926165 - Time: 6
.119234800338745
None

Graph 18

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.11297024288754187 - Time: 6
.339656829833984
None

Graph 19

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.9194011936254896 - Time: 5.
680765151977539
None

Test for graphsize 10

Graph 0

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.850779136467672 - Time: 12.
719413995742798
None

Graph 1

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 2.113205218829208 - Time: 11.
089908123016357
None

Graph 2

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.33784569217207405 - Time:
10.751398086547852
None

Graph 3

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.4612950977452286 - Time: 11
.411620140075684
None

File - unknown

Graph 4

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.16780273947890834 - Time:
12.42754316329956
None

Graph 5

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.044044789115567 - Time: 11.
855721950531006
None

Graph 6

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.12039452902203607 - Time:
12.124319076538086
None

Graph 7

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.726339025546757 - Time: 11.
859588861465454
None

Graph 8

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.652738888772592 - Time: 9.
8038010597229
None

Graph 9

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.3547436014939933 - Time: 11
.651700973510742
None

Graph 10

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.6588998527449874 - Time: 11
.04447889328003
None

Graph 11

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.6441125032737318 - Time: 9.
931262969970703
None

Graph 12

Running ours_n_qbsolv...

File- unknown

Coalition structure value for ours_n_qbsolv: 0.6905379099888833 - Time: 11
.049144983291626
None

Graph 13

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.2492454155493249 - Time: 10
.664154052734375
None

Graph 14

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.39705675702467147 - Time:
11.648087978363037
None

Graph 15

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.1076973646763904 - Time: 12
.414488077163696
None

Graph 16

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.5195958328469317 - Time: 11
.200473070144653
None

Graph 17

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.5224072535037649 - Time: 10
.999941110610962
None

Graph 18

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.4516002911853718 - Time: 11
.661543846130371
None

Graph 19

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.8013746780583304 - Time: 10
.332533121109009
None

Test for graphsize 12

Graph 0

File - unknown

Running ours_n_qbsolv...

Coalition structure value for ours_n_qbsolv: 0.6150486301365916 - Time: 10
.817884922027588
None

Graph 1

Running ours_n_qbsolv...

Coalition structure value for ours_n_qbsolv: 1.082427022828277 - Time: 11.
361440896987915
None

Graph 2

Running ours_n_qbsolv...

Coalition structure value for ours_n_qbsolv: 0.38475651674715294 - Time:
10.321555137634277
None

Graph 3

Running ours_n_qbsolv...

Coalition structure value for ours_n_qbsolv: 0.560367844286219 - Time: 11.
46773386001587
None

Graph 4

Running ours_n_qbsolv...

Coalition structure value for ours_n_qbsolv: 0.44488729516555026 - Time: 9
.73345398902893
None

Graph 5

Running ours_n_qbsolv...

Coalition structure value for ours_n_qbsolv: 0.8431061084135649 - Time: 10
.287637948989868
None

Graph 6

Running ours_n_qbsolv...

Coalition structure value for ours_n_qbsolv: 0.7639394580685206 - Time: 10
.684376955032349
None

Graph 7

Running ours_n_qbsolv...

Coalition structure value for ours_n_qbsolv: 0.7792806079405281 - Time: 12
.447888135910034
None

Graph 8

Running ours_n_qbsolv...

Coalition structure value for ours_n_qbsolv: 1.2591533310888252 - Time: 10
.964241027832031

File - unknown

None

Graph 9

Running ours_n_qbsolv...

Coalition structure value for ours_n_qbsolv: 0.5954578349497766 - Time: 10
.605165243148804

None

Graph 10

Running ours_n_qbsolv...

Coalition structure value for ours_n_qbsolv: 0.6059122564815951 - Time: 10
.523215770721436

None

Graph 11

Running ours_n_qbsolv...

Coalition structure value for ours_n_qbsolv: 0.702289163217074 - Time: 10.
5274338722229

None

Graph 12

Running ours_n_qbsolv...

Coalition structure value for ours_n_qbsolv: 0.8736191784041978 - Time: 10
.679038047790527

None

Graph 13

Running ours_n_qbsolv...

Coalition structure value for ours_n_qbsolv: 0.6561829802817627 - Time: 10
.72616195678711

None

Graph 14

Running ours_n_qbsolv...

Coalition structure value for ours_n_qbsolv: 1.4616685125603937 - Time: 11
.233975887298584

None

Graph 15

Running ours_n_qbsolv...

Coalition structure value for ours_n_qbsolv: 0.5777465750025783 - Time: 11
.258983135223389

None

Graph 16

Running ours_n_qbsolv...

Coalition structure value for ours_n_qbsolv: 1.1582704298219042 - Time: 11
.603833198547363

None

File - unknown

Graph 17

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.6098161453602629 - Time: 15
.590258836746216
None

Graph 18

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.2399354793810673 - Time: 13
.884028911590576
None

Graph 19

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 2.201714058246395 - Time: 9.
09599781036377
None

Test for graphsize 14

Graph 0

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.2801666702618846 - Time: 9.
944605827331543
None

Graph 1

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.9910337078295726 - Time: 9.
62280797958374
None

Graph 2

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.7896917547366726 - Time: 12
.453035116195679
None

Graph 3

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.32406091265609405 - Time: 9
.65132474899292
None

Graph 4

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.7434000061760955 - Time: 10
.15867280960083
None

File - unknown

Graph 5

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.5577618317755935 - Time: 10
.485903263092041
None

Graph 6

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.8226613726159684 - Time: 11
.128978967666626
None

Graph 7

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.072236044635126 - Time: 10.
49888825416565
None

Graph 8

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.8416300286743024 - Time: 10
.83828091621399
None

Graph 9

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 2.4431815381742013 - Time: 10
.076555013656616
None

Graph 10

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.6521493604439357 - Time: 10
.439033269882202
None

Graph 11

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.1170498230417039 - Time: 10
.726222038269043
None

Graph 12

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.6293034223394756 - Time: 10
.495195150375366
None

Graph 13

File - unknown

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.0358230118990974 - Time: 9.
946696996688843
None

Graph 14

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.0806199836372201 - Time: 9.
433524131774902
None

Graph 15

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.6937347837068302 - Time: 10
.056670904159546
None

Graph 16

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.8614475795839951 - Time: 10
.687610864639282
None

Graph 17

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.9888065387748739 - Time: 11
.001004934310913
None

Graph 18

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.8831225677352705 - Time: 11
.487739086151123
None

Graph 19

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.7870756382366793 - Time: 9.
940073013305664
None

Test for graphsize 16

Graph 0

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.822906633005644 - Time: 11.
475485801696777
None

Graph 1

File - unknown

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.02240091914733 - Time: 11.
33233094215393
None

Graph 2

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.8919407950075495 - Time: 11
.468892097473145
None

Graph 3

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.8449224007561682 - Time: 12
.489625215530396
None

Graph 4

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.6262725262860229 - Time: 10
.990787029266357
None

Graph 5

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 3.2643274461642093 - Time: 9.
592061281204224
None

Graph 6

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.3304850667358323 - Time: 10
.956983089447021
None

Graph 7

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.0160665942924254 - Time: 11
.44489598274231
None

Graph 8

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.9121356510589749 - Time: 11
.162715196609497
None

Graph 9

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.9543621161819686 - Time: 12

File - unknown
.156587839126587
None

Graph 10

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.8229066330056085 - Time: 11
.638254880905151
None

Graph 11

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.0224009191474863 - Time: 11
.255163192749023
None

Graph 12

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.8919407950071729 - Time: 11
.96918511390686
None

Graph 13

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.8449224007551734 - Time: 12
.866650819778442
None

Graph 14

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.6262725262863498 - Time: 10
.86887812614441
None

Graph 15

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.5325696747462771 - Time: 11
.264167070388794
None

Graph 16

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.9404045759696231 - Time: 12
.66426396369934
None

Graph 17

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.11076397406012 - Time: 28.
075700044631958
None

File - unknown

Graph 18

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.333519919451696 - Time: 11.
421472072601318
None

Graph 19

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.3821471550545326 - Time: 13
.145873069763184
None

Test for graphsize 18

Graph 0

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.22958232134755 - Time: 11.
863079309463501
None

Graph 1

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.9642698128749885 - Time: 31
.880473136901855
None

Graph 2

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.7324635199480483 - Time: 11
.547038078308105
None

Graph 3

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.9489845542806634 - Time: 11
.121394872665405
None

Graph 4

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.5284612501546704 - Time: 12
.59692120552063
None

Graph 5

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.5069596362593671 - Time: 14
.225925922393799
None

Graph 6

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.4521889657959477 - Time: 12
.564265966415405
None

Graph 7

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.0738307702452161 - Time: 12
.160290002822876
None

Graph 8

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.9280845774882422 - Time: 12
.976973056793213
None

Graph 9

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.2154281540707146 - Time: 11
.635850667953491
None

Graph 10

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.4225599222920451 - Time: 13
.61027193069458
None

Graph 11

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.2671337334371202 - Time: 50
.61955404281616
None

Graph 12

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.550146932461665 - Time: 12.
508181095123291
None

Graph 13

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.23850950742086496 - Time:
11.709410190582275
None

Graph 14

File - unknown

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.5123579767928774 - Time: 11
.777942657470703
None

Graph 15

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.7876205949141379 - Time: 15
.13178014755249
None

Graph 16

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.0064599804971195 - Time: 11
.928826093673706
None

Graph 17

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.9666033216792229 - Time: 12
.00288200378418
None

Graph 18

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.939148613571426 - Time: 17.
835447788238525
None

Graph 19

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.8620304898268571 - Time: 12
.089131116867065
None

Test for graphsize 20

Graph 0

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.2286198003634965 - Time: 13
.617862939834595
None

Graph 1

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.146804753056955 - Time: 13.
075796842575073
None

File - unknown

Graph 2

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.1055289628951073 - Time: 13
.569702863693237
None

Graph 3

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.9308740224380188 - Time: 14
.230732202529907
None

Graph 4

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.759847876834371 - Time: 15.
33251404762268
None

Graph 5

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.8280715622084571 - Time: 13
.418637990951538
None

Graph 6

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.2720059272304098 - Time: 17
.100854873657227
None

Graph 7

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.010634009675634 - Time: 15.
410614967346191
None

Graph 8

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.9537425434965172 - Time: 13
.706663131713867
None

Graph 9

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.1140725334617159 - Time: 14
.174054861068726
None

Graph 10

Running ours_n_qbsolv...

File- unknown

Coalition structure value for ours_n_qbsolv: 1.1086714555953918 - Time: 17
.51886796951294
None

Graph 11

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.3901409670808889 - Time: 13
.442625761032104
None

Graph 12

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.8273616108029387 - Time: 27
.857670307159424
None

Graph 13

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.5096587190417594 - Time: 13
.313896894454956
None

Graph 14

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.142733334196528 - Time: 12.
971129894256592
None

Graph 15

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.338581728684872 - Time: 30.
55108404159546
None

Graph 16

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.4018693972730745 - Time: 17
.54212999343872
None

Graph 17

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.516596878262611 - Time: 13.
09779405593872
None

Graph 18

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.0512632971854572 - Time: 13
.100799083709717
None

Graph 19

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.7348132032658938 - Time: 13
.872034788131714
None

Test for graphsize 22

Graph 0

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.3789109416829959 - Time: 27
.667361974716187
None

Graph 1

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.1445445552090874 - Time: 24
.97315287590027
None

Graph 2

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.1461222802185347 - Time: 28
.844217777252197
None

Graph 3

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 0.8386235254101209 - Time: 20
.5884850025177
None

Graph 4

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.4141131952076123 - Time: 27
.674304962158203
None

Graph 5

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.2311338513693997 - Time: 21
.327574014663696
None

Graph 6

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.9295166795682377 - Time:
171.613618850708

File - unknown

None

Graph 7

Running ours_n_qbsolv...

Coalition structure value for ours_n_qbsolv: 1.4712094184558637 - Time: 58
.36727499961853

None

Graph 8

Running ours_n_qbsolv...

Coalition structure value for ours_n_qbsolv: 1.221000462496292 - Time: 19.
32544708251953

None

Graph 9

Running ours_n_qbsolv...

Coalition structure value for ours_n_qbsolv: 1.3166678866445665 - Time: 17
.566684007644653

None

Graph 10

Running ours_n_qbsolv...

Coalition structure value for ours_n_qbsolv: 1.4844338943951811 - Time: 19
.948629140853882

None

Graph 11

Running ours_n_qbsolv...

Coalition structure value for ours_n_qbsolv: 1.2221165947339898 - Time: 25
.07016897201538

None

Graph 12

Running ours_n_qbsolv...

Coalition structure value for ours_n_qbsolv: 1.67675443249464 - Time: 18.
149388074874878

None

Graph 13

Running ours_n_qbsolv...

Coalition structure value for ours_n_qbsolv: 1.7808146272583585 - Time: 20
.91954779624939

None

Graph 14

Running ours_n_qbsolv...

Coalition structure value for ours_n_qbsolv: 1.3645584596682312 - Time: 17
.448621034622192

None

File - unknown

Graph 15

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.2948763920489057 - Time: 24
.436892986297607
None

Graph 16

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.3757912013005225 - Time: 20
.142751932144165
None

Graph 17

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.108844836437882 - Time: 44.
49805974960327
None

Graph 18

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.3414015011873701 - Time: 20
.21123504638672
None

Graph 19

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.7448801101228497 - Time: 23
.749680995941162
None

Test for graphsize 24

Graph 0

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.7010052388675874 - Time: 21
.29390788078308
None

Graph 1

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.3886139829530038 - Time: 28
.507640838623047
None

Graph 2

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.5862663420935306 - Time: 26
.229536056518555
None

File - unknown

Graph 3

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.5924746022500145 - Time: 29
.33107089996338
None

Graph 4

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.57079474839486 - Time: 25.
252697229385376
None

Graph 5

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.3426834078204877 - Time: 25
.330687046051025
None

Graph 6

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.4906366941049853 - Time: 27
.32138180732727
None

Graph 7

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.3171557162028549 - Time: 26
.876477241516113
None

Graph 8

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.62116363968439 - Time: 21.
100509881973267
None

Graph 9

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.1355862586534258 - Time: 29
.791132926940918
None

Graph 10

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.3721065249381823 - Time: 19
.90241527557373
None

Graph 11

File - unknown

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.5708787552799706 - Time: 34
.11500024795532
None

Graph 12

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.3241178248075869 - Time: 26
.98284602165222
None

Graph 13

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.811060936422372 - Time: 24.
21102786064148
None

Graph 14

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.816278325728014 - Time: 20.
123151302337646
None

Graph 15

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.4883841820783488 - Time: 24
.417749881744385
None

Graph 16

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.3263648141889561 - Time: 25
.285276889801025
None

Graph 17

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.7055631245185978 - Time: 24
.493202924728394
None

Graph 18

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.447440198799562 - Time: 25.
09683895111084
None

Graph 19

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.9196240992240305 - Time: 26
.2591769695282

File - unknown

None

Test for graphsize 26

Graph 0

Running ours_n_qbsolv...

Coalition structure value for ours_n_qbsolv: 1.9156887102354503 - Time: 35
.84304714202881
None

Graph 1

Running ours_n_qbsolv...

Coalition structure value for ours_n_qbsolv: 1.9082577259881361 - Time: 36
.70535898208618
None

Graph 2

Running ours_n_qbsolv...

Coalition structure value for ours_n_qbsolv: 1.5665160834778646 - Time: 37
.09205341339111
None

Graph 3

Running ours_n_qbsolv...

Coalition structure value for ours_n_qbsolv: 1.9552111194626889 - Time: 29
.82627582550049
None

Graph 4

Running ours_n_qbsolv...

Coalition structure value for ours_n_qbsolv: 1.4985803371273079 - Time: 31
.30045509338379
None

Graph 5

Running ours_n_qbsolv...

Coalition structure value for ours_n_qbsolv: 1.4744191862071574 - Time: 30
.73689103126526
None

Graph 6

Running ours_n_qbsolv...

Coalition structure value for ours_n_qbsolv: 2.1619977227798017 - Time: 36
.09975624084473
None

Graph 7

Running ours_n_qbsolv...

Coalition structure value for ours_n_qbsolv: 1.6961258350955077 - Time: 32

File - unknown
.69446110725403
None

Graph 8

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.7862359408452448 - Time: 43
.65918707847595
None

Graph 9

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 2.074759205108485 - Time: 31.
980926990509033
None

Graph 10

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.837086002332633 - Time: 28.
300929069519043
None

Graph 11

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.2340014372116315 - Time: 63
.64669489860535
None

Graph 12

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.6736208482560073 - Time: 35
.851179122924805
None

Graph 13

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.9869049549145643 - Time: 40
.63995909690857
None

Graph 14

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.6557715426500152 - Time: 35
.771071910858154
None

Graph 15

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.9392763337633028 - Time: 41
.912285804748535
None

File - unknown

Graph 16

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.679067250405403 - Time: 66.
50740885734558
None

Graph 17

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.7729039084590497 - Time: 29
.95441484451294
None

Graph 18

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 2.011121149555919 - Time: 30.
6529483795166
None

Graph 19

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 2.2023526251088157 - Time: 28
.395488023757935
None

Test for graphsize 28

Graph 0

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 2.098019343698631 - Time: 39.
05255913734436
None

Graph 1

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.7564689501037805 - Time: 32
.0927300453186
None

Graph 2

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.9383945413828343 - Time: 42
.099552154541016
None

Graph 3

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.7170872004043218 - Time: 85
.6919150352478
None

Graph 4

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.9433816397912764 - Time: 32
.976540088653564
None

Graph 5

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.8362611343706803 - Time: 34
.79466509819031
None

Graph 6

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.751562178646921 - Time: 35.
24555015563965
None

Graph 7

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 2.1266746184741123 - Time: 33
.437767028808594
None

Graph 8

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 2.450492598571003 - Time: 49.
66573691368103
None

Graph 9

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 2.632817062897253 - Time: 55.
29590606689453
None

Graph 10

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 2.0368985620604505 - Time: 42
.86046624183655
None

Graph 11

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.8200422533959753 - Time: 95
.7421669960022
None

Graph 12

File - unknown

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.928146562659343 - Time: 37.
40799689292908
None

Graph 13

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 2.6285374342288534 - Time: 48
.240216970443726
None

Graph 14

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.640450401947703 - Time: 39.
3756308555603
None

Graph 15

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 2.2890933628745316 - Time: 34
.365135192871094
None

Graph 16

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 2.569843289461332 - Time: 29.
71834707260132
None

Graph 17

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 1.84836085541167 - Time: 67.
47993898391724
None

Graph 18

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 2.2661988687358203 - Time: 51
.81355023384094
None

Graph 19

Running ours_n_qbsolv...
Coalition structure value for ours_n_qbsolv: 2.2211219918747673 - Time: 38
.45964813232422
None

Test for graphsize 4

File - unknown

Graph 0

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.028954843277226416 -

Time: 0.27622079849243164

None

Graph 1

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.5708825220945002 -

Time: 0.25899314880371094

None

Graph 2

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.00712843874983804 -

Time: 0.31874585151672363

None

Graph 3

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.06152625301075432 -

Time: 0.2535231113433838

None

Graph 4

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.06396917936914548 -

Time: 0.24907994270324707

None

Graph 5

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.10380144569396066 -

Time: 0.24598217010498047

None

Graph 6

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.05554082850606079 -

Time: 0.2626497745513916

None

Graph 7

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.038931269477402 -

Time: 0.37748026847839355

None

Graph 8

Running n_split_GCSQ_qbsolv...

File- unknown

Coalition structure value for n_split_GCSQ_qbsolv: 0.042007430425400116 -
Time: 0.2656099796295166
None

Graph 9

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.0010690439865044254 -
Time: 0.32805800437927246
None

Graph 10

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.2197142340515299 -
Time: 0.26596808433532715
None

Graph 11

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.2770576453315883 -
Time: 0.26798176765441895
None

Graph 12

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.06753117632182892 -
Time: 0.23938703536987305
None

Graph 13

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.01673789206527232 -
Time: 0.25502800941467285
None

Graph 14

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.03599345154763256 -
Time: 0.26523709297180176
None

Graph 15

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.10695262062797894 -
Time: 0.2671840190887451
None

Graph 16

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.06090302529973002 -
Time: 0.32021594047546387
None

Graph 17

```
Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.37306828772501177 -
Time: 0.2557711601257324
None
```

Graph 18

```
Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.06615960564805334 -
Time: 0.248856782913208
None
```

Graph 19

```
Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.24253747559571082 -
Time: 0.24826478958129883
None
```

Test for graphsize 6

Graph 0

```
Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.4037548984604129 -
Time: 0.35401010513305664
None
```

Graph 1

```
Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.14602401068624005 -
Time: 0.7689859867095947
None
```

Graph 2

```
Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.12639840396634128 -
Time: 0.3297231197357178
None
```

Graph 3

```
Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.1447468748308225 -
Time: 0.3372611999511719
None
```

Graph 4

```
Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.2074140190053555 -
Time: 0.5781021118164062
```

File - unknown

None

Graph 5

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.21629539194693592 -

Time: 0.48342394828796387

None

Graph 6

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.1032573088773745 -

Time: 0.3574948310852051

None

Graph 7

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.08555938986791745 -

Time: 0.38605403900146484

None

Graph 8

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.13737909873700005 -

Time: 0.40279698371887207

None

Graph 9

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.23536312556377226 -

Time: 0.5789308547973633

None

Graph 10

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.2985191363911497 -

Time: 0.529597282409668

None

Graph 11

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.1310541476422742 -

Time: 0.5239889621734619

None

Graph 12

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.20825406819544412 -

Time: 0.5065410137176514

None

File - unknown

Graph 13

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.2924666692276716 -

Time: 0.40494394302368164

None

Graph 14

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.8758237641815896 -

Time: 0.5528247356414795

None

Graph 15

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.29878868277545223 -

Time: 0.5626459121704102

None

Graph 16

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.5885124948454461 -

Time: 0.37626028060913086

None

Graph 17

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.19838467424926165 -

Time: 0.594789981842041

None

Graph 18

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.11297024288754187 -

Time: 0.6046571731567383

None

Graph 19

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.9194011936254896 -

Time: 0.3550138473510742

None

Test for graphsize 8

Graph 0

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.4037548984604129 -

Time: 4.413311958312988

None

File - unknown

Graph 1

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.14602401068624005 -
Time: 5.901482105255127
None

Graph 2

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.12639840396634128 -
Time: 6.847181081771851
None

Graph 3

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.1447468748308225 -
Time: 5.883054971694946
None

Graph 4

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.2074140190053555 -
Time: 5.661410808563232
None

Graph 5

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.21629539194693592 -
Time: 4.08901309967041
None

Graph 6

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.1032573088773745 -
Time: 6.148316860198975
None

Graph 7

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.08555938986791745 -
Time: 5.5560221672058105
None

Graph 8

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.13737909873700005 -
Time: 6.361877918243408
None

Graph 9

File - unknown

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.23536312556377226 -
Time: 11.696261167526245
None

Graph 10

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.2985191363911497 -
Time: 5.3951921463012695
None

Graph 11

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.1310541476422742 -
Time: 4.773912191390991
None

Graph 12

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.20825406819544412 -
Time: 5.5950751304626465
None

Graph 13

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.2924666692276716 -
Time: 5.518043041229248
None

Graph 14

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.8758237641815896 -
Time: 5.449270009994507
None

Graph 15

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.29878868277545223 -
Time: 5.136590003967285
None

Graph 16

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.5885124948454461 -
Time: 5.040482997894287
None

Graph 17

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.19838467424926165 -
Time: 5.395438194274902

File - unknown

None

Graph 18

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.11297024288754187 -

Time: 5.291859865188599

None

Graph 19

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.9194011936254896 -

Time: 4.926350831985474

None

Test for graphsize 10

Graph 0

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.850779136467672 -

Time: 12.900227069854736

None

Graph 1

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 2.113205218829208 -

Time: 15.516552925109863

None

Graph 2

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.33784569217207405 -

Time: 9.664949893951416

None

Graph 3

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.4612950977452286 -

Time: 11.47475790977478

None

Graph 4

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.16780273947890834 -

Time: 19.495815753936768

None

Graph 5

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 1.044044789115567 -

File - unknown

Time: 9.794798851013184
None

Graph 6

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.12039452902203607 -
Time: 10.77012825012207
None

Graph 7

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.726339025546757 -
Time: 9.135562896728516
None

Graph 8

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.6527388888772592 -
Time: 9.192152738571167
None

Graph 9

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.3547436014939933 -
Time: 11.182435035705566
None

Graph 10

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.6588998527449874 -
Time: 9.678404808044434
None

Graph 11

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.6441125032737318 -
Time: 10.557234764099121
None

Graph 12

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.6905379099888833 -
Time: 10.938217878341675
None

Graph 13

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.24811584418140598 -
Time: 10.384322881698608
None

File - unknown

Graph 14

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.39705675702467147 -
Time: 9.534660816192627
None

Graph 15

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.1076973646763904 -
Time: 10.16549301147461
None

Graph 16

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.5195958328469317 -
Time: 9.67091417312622
None

Graph 17

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.5224072535037649 -
Time: 9.332015991210938
None

Graph 18

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.4516002911853718 -
Time: 11.032753944396973
None

Graph 19

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.8013746780583304 -
Time: 9.041183948516846
None

Test for graphsize 12

Graph 0

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.6150486301365916 -
Time: 11.413413286209106
None

Graph 1

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.082427022828277 -
Time: 16.333243131637573
None

Graph 2

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.38475651674715294 -
Time: 10.509506940841675
None

Graph 3

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.560367844286219 -
Time: 10.747428894042969
None

Graph 4

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.44488729516555026 -
Time: 10.585642099380493
None

Graph 5

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.8431061084135649 -
Time: 10.0049889087677
None

Graph 6

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.6906440869451487 -
Time: 11.654722929000854
None

Graph 7

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.7792806079405281 -
Time: 11.04923391342163
None

Graph 8

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.2197341966872415 -
Time: 16.617935180664062
None

Graph 9

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.5954578349497766 -
Time: 10.238047122955322
None

Graph 10

File - unknown

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.6059122564815951 -
Time: 9.654682874679565
None

Graph 11

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.702289163217074 -
Time: 8.935702085494995
None

Graph 12

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.8736191784041978 -
Time: 9.716632843017578
None

Graph 13

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.6561829802817627 -
Time: 8.80691909790039
None

Graph 14

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.4616685125603937 -
Time: 9.936798334121704
None

Graph 15

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.5777465750025783 -
Time: 10.769788026809692
None

Graph 16

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.1582704298219042 -
Time: 9.992691993713379
None

Graph 17

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.6098161453602629 -
Time: 9.597182035446167
None

Graph 18

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.20687289710536305 -

File - unknown

Time: 20.466256141662598
None

Graph 19

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 2.201714058246395 -
Time: 8.736890077590942
None

Test for graphsize 14

Graph 0

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.2801666702618846 -
Time: 10.095700979232788
None

Graph 1

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.9910337078295726 -
Time: 10.218866109848022
None

Graph 2

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.7896917547366726 -
Time: 10.07753324508667
None

Graph 3

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.32406091265609405 -
Time: 10.749109029769897
None

Graph 4

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.7434000061760955 -
Time: 10.691509008407593
None

Graph 5

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.5577618317755935 -
Time: 10.220140218734741
None

Graph 6

Running n_split_GCSQ_qbsolv...

File- unknown

Coalition structure value for n_split_GCSQ_qbsolv: 0.8226613726159684 -
Time: 11.435950994491577
None

Graph 7

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.072236044635126 -
Time: 9.488914966583252
None

Graph 8

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.8416300286743024 -
Time: 9.536869764328003
None

Graph 9

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 2.4431815381742013 -
Time: 10.700378894805908
None

Graph 10

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.6521493604439357 -
Time: 9.704543113708496
None

Graph 11

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.1170498230417039 -
Time: 10.308466911315918
None

Graph 12

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.6293034223394756 -
Time: 10.749682188034058
None

Graph 13

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.0358230118990974 -
Time: 8.68732738494873
None

Graph 14

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.0806199836372201 -
Time: 9.620186805725098
None

Graph 15

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.6937347837068302 -
Time: 10.142371892929077
None

Graph 16

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.8614475795839951 -
Time: 10.598466157913208
None

Graph 17

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.9888065387748739 -
Time: 9.888198852539062
None

Graph 18

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.8831225677352705 -
Time: 10.163308143615723
None

Graph 19

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.7870756382366793 -
Time: 10.329382181167603
None

Test for graphsize 16

Graph 0

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.822906633005644 -
Time: 11.306581020355225
None

Graph 1

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.02240091914733 - Time
: 10.836871862411499
None

Graph 2

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.8919407950075495 -
Time: 12.06973910331726

File - unknown

None

Graph 3

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.829213515647254 -

Time: 19.561336755752563

None

Graph 4

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.6262725262860229 -

Time: 10.870086908340454

None

Graph 5

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 3.2643274461642093 -

Time: 10.252529859542847

None

Graph 6

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 1.3304850667358323 -

Time: 10.956981182098389

None

Graph 7

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 1.0160665942924254 -

Time: 11.113505125045776

None

Graph 8

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.9121356510589749 -

Time: 11.318367004394531

None

Graph 9

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.9543621161819686 -

Time: 10.95086407661438

None

Graph 10

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.8229066330056085 -

Time: 11.127204179763794

None

File - unknown

Graph 11

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 1.0224009191474863 -

Time: 11.053534030914307

None

Graph 12

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.8919407950071729 -

Time: 11.225929975509644

None

Graph 13

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.8292135156461526 -

Time: 13.438215970993042

None

Graph 14

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.6262725262863498 -

Time: 10.905910968780518

None

Graph 15

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.5325696747462771 -

Time: 10.106663942337036

None

Graph 16

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.9404045759696231 -

Time: 11.135161876678467

None

Graph 17

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 1.11076397406012 - Time

: 12.785380840301514

None

Graph 18

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.32083345744728575 -

Time: 12.708828926086426

None

Graph 19

Running n_split_GCSQ_qbsolv...

File - unknown

Coalition structure value for n_split_GCSQ_qbsolv: 1.3821471550545326 -
Time: 10.200292110443115
None

Test for graphsize 18

Graph 0

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.22958232134755 - Time
: 14.681445837020874
None

Graph 1

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.9642698128749885 -
Time: 15.568413972854614
None

Graph 2

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.7072683537860129 -
Time: 12.462469816207886
None

Graph 3

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.9489845542806634 -
Time: 13.65496301651001
None

Graph 4

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.5284612501546704 -
Time: 12.810190200805664
None

Graph 5

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.494232309698738 -
Time: 12.855201005935669
None

Graph 6

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.4521889657959477 -
Time: 21.246124982833862
None

Graph 7

File - unknown

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.057077612790799 -
Time: 13.474926233291626
None

Graph 8

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.9280845774882422 -
Time: 14.940912961959839
None

Graph 9

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.210532672925261 -
Time: 19.884320974349976
None

Graph 10

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.4225599222920451 -
Time: 17.79016613960266
None

Graph 11

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.2671337334371202 -
Time: 11.422316074371338
None

Graph 12

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.550146932461665 -
Time: 12.90148401260376
None

Graph 13

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.23850950742086496 -
Time: 11.864968061447144
None

Graph 14

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.5123579767928774 -
Time: 11.366310834884644
None

Graph 15

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.7876205949141379 -
Time: 13.898494005203247

File - unknown

None

Graph 16

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 1.0064599804971195 -

Time: 15.938693761825562

None

Graph 17

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.9666033216792229 -

Time: 13.889884233474731

None

Graph 18

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.939148613571426 -

Time: 49.75558519363403

None

Graph 19

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.8620304898268571 -

Time: 18.20268678665161

None

Test for graphsize 20

Graph 0

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 1.2286198003634965 -

Time: 23.729317665100098

None

Graph 1

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 1.146804753056955 -

Time: 14.097624063491821

None

Graph 2

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 1.0725655216466237 -

Time: 26.329344034194946

None

Graph 3

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 0.9308740224380188 -

File - unknown

Time: 14.543779134750366
None

Graph 4

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.759847876834371 -
Time: 14.089468717575073
None

Graph 5

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.8213851966348287 -
Time: 35.39776682853699
None

Graph 6

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.2666614126037032 -
Time: 13.577724933624268
None

Graph 7

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.9972942571237198 -
Time: 16.24716091156006
None

Graph 8

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.9467069404227004 -
Time: 26.209793090820312
None

Graph 9

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.1140725334617159 -
Time: 13.9464430809021
None

Graph 10

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.106028459068071 -
Time: 13.817237854003906
None

Graph 11

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.3752637068366909 -
Time: 22.048784971237183
None

File - unknown

Graph 12

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.8273616108029387 -
Time: 24.18636202812195
None

Graph 13

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.5096587190417594 -
Time: 14.088012933731079
None

Graph 14

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.1348249735878184 -
Time: 19.456444025039673
None

Graph 15

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.338581728684872 -
Time: 18.376405000686646
None

Graph 16

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.4009851038289298 -
Time: 16.46391797065735
None

Graph 17

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.516596878262611 -
Time: 18.92665386199951
None

Graph 18

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.0512632971854572 -
Time: 16.714359998703003
None

Graph 19

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.7323671428806193 -
Time: 14.904628276824951
None

Test for graphsize 22

Graph 0

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.3653384590551525 -
Time: 25.00772500038147
None

Graph 1

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.0739699207607742 -
Time: 26.421115159988403
None

Graph 2

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.1368123276469433 -
Time: 39.192107915878296
None

Graph 3

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 0.8386235254101209 -
Time: 23.917418003082275
None

Graph 4

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.4097420592785213 -
Time: 22.14245319366455
None

Graph 5

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.2310423936949846 -
Time: 23.533358097076416
None

Graph 6

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.9295166795682377 -
Time: 17.005769968032837
None

Graph 7

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.4659617230274975 -
Time: 21.307711839675903
None

Graph 8

File - unknown

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.2159275550361173 -
Time: 25.144752264022827
None

Graph 9

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.3166678866445665 -
Time: 20.242825984954834
None

Graph 10

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.483336132956616 -
Time: 32.558342933654785
None

Graph 11

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.2103189918461652 -
Time: 30.421932220458984
None

Graph 12

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.67675443249464 - Time
: 22.287033081054688
None

Graph 13

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.778020549731309 -
Time: 20.297732830047607
None

Graph 14

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.3645584596682312 -
Time: 21.435863256454468
None

Graph 15

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.2724212548784877 -
Time: 23.73441219329834
None

Graph 16

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.3230030884491555 -

File - unknown

Time: 21.718132972717285
None

Graph 17

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.0992768590827993 -
Time: 37.10926008224487
None

Graph 18

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.3022504861101467 -
Time: 22.220954179763794
None

Graph 19

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.7448801101228497 -
Time: 45.06826686859131
None

Test for graphsize 24

Graph 0

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.7010052388675874 -
Time: 30.068289041519165
None

Graph 1

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.3191236218356153 -
Time: 33.71019792556763
None

Graph 2

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.5643424697537327 -
Time: 26.810179948806763
None

Graph 3

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.5127331467438836 -
Time: 21.53572106361389
None

Graph 4

Running n_split_GCSQ_qbsolv...

File- unknown

Coalition structure value for n_split_GCSQ_qbsolv: 1.48391056249028 - Time
: 25.41290307044983
None

Graph 5

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.334973134628079 -
Time: 25.034320831298828
None

Graph 6

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.4906366941049853 -
Time: 52.80216431617737
None

Graph 7

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.3171557162028549 -
Time: 28.964495182037354
None

Graph 8

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.62116363968439 - Time
: 30.3106951713562
None

Graph 9

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.0916210895631195 -
Time: 30.8549063205719
None

Graph 10

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.3552402788992381 -
Time: 23.189049005508423
None

Graph 11

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.5708787552799706 -
Time: 46.56202507019043
None

Graph 12

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.3241178248075869 -
Time: 24.959270000457764
None

Graph 13

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.811060936422372 -
Time: 52.092421770095825
None

Graph 14

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.816278325728014 -
Time: 26.274492025375366
None

Graph 15

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.45910564291961 - Time
: 58.34063982963562
None

Graph 16

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.2734788102569894 -
Time: 23.599411010742188
None

Graph 17

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.670000430535758 -
Time: 66.92252016067505
None

Graph 18

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.4102581796202855 -
Time: 31.338263988494873
None

Graph 19

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.9196240992240305 -
Time: 27.769126176834106
None

Test for graphsize 26

Graph 0

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.924372461402875 -
Time: 30.253671884536743

File - unknown

None

Graph 1

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 1.9021085839914207 -

Time: 39.56366014480591

None

Graph 2

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 1.5473390433473568 -

Time: 33.9194769859314

None

Graph 3

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 1.9210608615300018 -

Time: 35.82274603843689

None

Graph 4

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 1.4777361604879076 -

Time: 34.11905813217163

None

Graph 5

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 1.4528314635799973 -

Time: 38.1728081703186

None

Graph 6

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 2.1619977227798017 -

Time: 50.99891710281372

None

Graph 7

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 1.6777853823269524 -

Time: 30.944063186645508

None

Graph 8

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 1.757139557731783 -

Time: 35.34952974319458

None

File - unknown

Graph 9

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.9882471806254145 -
Time: 34.14958477020264
None

Graph 10

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.8356853607051633 -
Time: 33.33248281478882
None

Graph 11

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.1624400683647664 -
Time: 29.826671838760376
None

Graph 12

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.6000606581789611 -
Time: 34.47951412200928
None

Graph 13

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.942255775106041 -
Time: 35.52723479270935
None

Graph 14

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.6557715426500152 -
Time: 76.50722098350525
None

Graph 15

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.8955523803161398 -
Time: 55.24494290351868
None

Graph 16

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.6007552418929762 -
Time: 45.59138607978821
None

Graph 17

Running n_split_GCSQ_qbsolv...

File- unknown

Coalition structure value for n_split_GCSQ_qbsolv: 1.7636705426843378 -
Time: 27.117603063583374
None

Graph 18

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 2.0167658061418194 -
Time: 98.49341106414795
None

Graph 19

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 2.2023526251088157 -
Time: 30.897012948989868
None

Test for graphsize 28

Graph 0

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 2.025318269393452 -
Time: 120.99761390686035
None

Graph 1

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.7355358235144465 -
Time: 42.52296018600464
None

Graph 2

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.921749715146447 -
Time: 68.90475392341614
None

Graph 3

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.683839809996904 -
Time: 69.50818991661072
None

Graph 4

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.8098480922075524 -
Time: 44.99426507949829
None

Graph 5

File - unknown

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.8286629976481734 -
Time: 31.260669946670532
None

Graph 6

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.713991222239386 -
Time: 59.429157733917236
None

Graph 7

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 2.147540277130666 -
Time: 61.496089220047
None

Graph 8

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 2.446060771581969 -
Time: 36.76617217063904
None

Graph 9

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 2.629313505363541 -
Time: 31.76369619369507
None

Graph 10

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 2.026689318811087 -
Time: 55.00009512901306
None

Graph 11

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.8200422533959753 -
Time: 45.926027059555054
None

Graph 12

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 1.8612004863818612 -
Time: 39.805957078933716
None

Graph 13

Running n_split_GCSQ_qbsolv...
Coalition structure value for n_split_GCSQ_qbsolv: 2.626002199101926 -
Time: 59.79996418952942

File - unknown

None

Graph 14

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 1.6279839200269706 -

Time: 36.73928999900818

None

Graph 15

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 2.2473891097944403 -

Time: 60.00540900230408

None

Graph 16

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 2.506344179216171 -

Time: 54.90453124046326

None

Graph 17

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 1.841879106429559 -

Time: 75.16962194442749

None

Graph 18

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 2.2603564613965332 -

Time: 63.01729393005371

None

Graph 19

Running n_split_GCSQ_qbsolv...

Coalition structure value for n_split_GCSQ_qbsolv: 2.2211219918747673 -

Time: 65.52990484237671

None

Test for graphsize 4

Graph 0

Running R-QUBO_qbsolv...

Coalition structure value for R-QUBO_qbsolv: 0.028954843277226416 - Time:

0.4176928997039795

None

Graph 1

Running R-QUBO_qbsolv...

Coalition structure value for R-QUBO_qbsolv: 0.5708825220945002 - Time: 0.

File - unknown
39593982696533203
None

Graph 2

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.00712843874983804 - Time: 0
.3919517993927002
None

Graph 3

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.06152625301075432 - Time: 0
.39531707763671875
None

Graph 4

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.06396917936914548 - Time: 0
.39224791526794434
None

Graph 5

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.10380144569396066 - Time: 0
.4035947322845459
None

Graph 6

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.05554082850606079 - Time: 0
.41509389877319336
None

Graph 7

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.038931269477402 - Time: 0.
3996880054473877
None

Graph 8

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.042007430425400116 - Time:
0.39853620529174805
None

Graph 9

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.0010690439865044254 - Time:
: 0.4195370674133301
None

File - unknown

Graph 10

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.2197142340515299 - Time: 0.
458132266998291
None

Graph 11

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.2770576453315883 - Time: 0.
4463632106781006
None

Graph 12

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.06753117632182892 - Time: 0
.4018440246582031
None

Graph 13

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.01673789206527232 - Time: 0
.38842010498046875
None

Graph 14

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.03599345154763256 - Time: 0
.39406394958496094
None

Graph 15

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.10695262062797894 - Time: 0
.3937830924987793
None

Graph 16

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.06090302529973002 - Time: 0
.41222405433654785
None

Graph 17

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.37306828772501177 - Time: 0
.4145548343658447
None

Graph 18

File - unknown

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.06615960564805334 - Time: 0
.42226314544677734
None

Graph 19

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.24253747559571082 - Time: 0
.3938291072845459
None

Test for graphsize 6

Graph 0

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.4037548984604129 - Time: 0.
5175650119781494
None

Graph 1

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.14602401068624005 - Time: 0
.38793087005615234
None

Graph 2

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.12639840396634128 - Time: 0
.3831329345703125
None

Graph 3

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.1447468748308225 - Time: 0.
39449620246887207
None

Graph 4

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.2074140190053555 - Time: 0.
47193288803100586
None

Graph 5

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.21629539194693592 - Time: 0
.4187150001525879
None

Graph 6

File - unknown

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.1032573088773745 - Time: 0.
360461950302124
None

Graph 7

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.08555938986791745 - Time: 0
.5737299919128418
None

Graph 8

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.13737909873700005 - Time: 0
.2835531234741211
None

Graph 9

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.23536312556377226 - Time: 0
.444943904876709
None

Graph 10

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.2985191363911497 - Time: 0.
51155686378479
None

Graph 11

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.1310541476422742 - Time: 0.
319608211517334
None

Graph 12

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.20825406819544412 - Time: 0
.4967160224914551
None

Graph 13

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.2924666692276716 - Time: 0.
5872719287872314
None

Graph 14

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.8758237641815896 - Time: 0.

File - unknown
5266947746276855
None

Graph 15

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.29878868277545223 - Time: 0.
.5306949615478516
None

Graph 16

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.5885124948454461 - Time: 0.
5520482063293457
None

Graph 17

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.19838467424926165 - Time: 0.
.4327223300933838
None

Graph 18

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.11297024288754187 - Time: 0.
.5167217254638672
None

Graph 19

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.9194011936254896 - Time: 0.
4441378116607666
None

Test for graphsize 8

Graph 0

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.4037548984604129 - Time: 4.
383203029632568
None

Graph 1

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.14602401068624005 - Time: 5.
.572636127471924
None

Graph 2

Running R-QUBO_qbsolv...

File- unknown

Coalition structure value for R-QUBO_qbsolv: 0.12639840396634128 - Time: 5
.253772020339966
None

Graph 3

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.1447468748308225 - Time: 5.
870438098907471
None

Graph 4

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.2074140190053555 - Time: 5.
553184986114502
None

Graph 5

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.21629539194693592 - Time: 6
.011661767959595
None

Graph 6

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.1032573088773745 - Time: 5.
932618141174316
None

Graph 7

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.08555938986791745 - Time: 6
.073285102844238
None

Graph 8

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.13737909873700005 - Time: 4
.954071044921875
None

Graph 9

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.23536312556377226 - Time: 5
.4632041454315186
None

Graph 10

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.2985191363911497 - Time: 4.
597219944000244
None

Graph 11

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.1310541476422742 - Time: 4.
569093942642212
None

Graph 12

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.20825406819544412 - Time: 5
.9778501987457275
None

Graph 13

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.2924666692276716 - Time: 7.
1997010707855225
None

Graph 14

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.8758237641815896 - Time: 5.
425296306610107
None

Graph 15

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.29878868277545223 - Time: 5
.45816707611084
None

Graph 16

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.5885124948454461 - Time: 5.
231046915054321
None

Graph 17

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.19838467424926165 - Time: 5
.075874090194702
None

Graph 18

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.11297024288754187 - Time: 7
.064138174057007
None

Graph 19

File - unknown

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.9194011936254896 - Time: 5.
3505589962005615
None

Test for graphsize 10

Graph 0

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.850779136467672 - Time: 4.
994215726852417
None

Graph 1

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 2.113205218829208 - Time: 4.
744457960128784
None

Graph 2

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.33784569217207405 - Time: 4
.998020172119141
None

Graph 3

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.4612950977452286 - Time: 5.
728049039840698
None

Graph 4

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.16780273947890834 - Time: 6
.5688300132751465
None

Graph 5

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.044044789115567 - Time: 5.
053763151168823
None

Graph 6

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.12039452902203607 - Time: 6
.754239797592163
None

File - unknown

Graph 7

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.726339025546757 - Time: 4.
96697998046875
None

Graph 8

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.6527388888772592 - Time: 5.
049371957778931
None

Graph 9

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.3547436014939933 - Time: 4.
665855884552002
None

Graph 10

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.6588998527449874 - Time: 4.
857956171035767
None

Graph 11

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.6441125032737318 - Time: 4.
898032188415527
None

Graph 12

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.6905379099888833 - Time: 6.
15814995765686
None

Graph 13

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.2492454155493249 - Time: 6.
088475942611694
None

Graph 14

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.39705675702467147 - Time: 5
.1889495849609375
None

Graph 15

Running R-QUBO_qbsolv...

File - unknown

Coalition structure value for R-QUBO_qbsolv: 1.1076973646763904 - Time: 5.
191857814788818
None

Graph 16

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.5195958328469317 - Time: 4.
634670257568359
None

Graph 17

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.5224072535037649 - Time: 4.
488347768783569
None

Graph 18

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.4516002911853718 - Time: 5.
7690911293029785
None

Graph 19

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.8013746780583304 - Time: 4.
959655046463013
None

Test for graphsize 12

Graph 0

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.6150486301365916 - Time: 9.
432737112045288
None

Graph 1

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.082427022828277 - Time: 9.
941558122634888
None

Graph 2

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.38475651674715294 - Time: 9.
.88506007194519
None

Graph 3

File - unknown

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.560367844286219 - Time: 9.
606523990631104
None

Graph 4

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.44488729516555026 - Time: 9.
.29640793800354
None

Graph 5

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.8431061084135649 - Time: 9.
174291849136353
None

Graph 6

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.7639394580685206 - Time: 11.
.619696140289307
None

Graph 7

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.7792806079405281 - Time: 9.
94966197013855
None

Graph 8

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.2591533310888252 - Time: 10.
.027918815612793
None

Graph 9

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.5954578349497766 - Time: 9.
2288179397583
None

Graph 10

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.6059122564815951 - Time: 9.
32033634185791
None

Graph 11

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.702289163217074 - Time: 9.
239237785339355

File - unknown

None

Graph 12

Running R-QUBO_qbsolv...

Coalition structure value for R-QUBO_qbsolv: 0.8736191784041978 - Time: 8.
947757005691528

None

Graph 13

Running R-QUBO_qbsolv...

Coalition structure value for R-QUBO_qbsolv: 0.6561829802817627 - Time: 9.
902672052383423

None

Graph 14

Running R-QUBO_qbsolv...

Coalition structure value for R-QUBO_qbsolv: 1.4616685125603937 - Time: 9.
273986101150513

None

Graph 15

Running R-QUBO_qbsolv...

Coalition structure value for R-QUBO_qbsolv: 0.5777465750025783 - Time: 9.
741679906845093

None

Graph 16

Running R-QUBO_qbsolv...

Coalition structure value for R-QUBO_qbsolv: 1.1582704298219042 - Time: 8.
909600019454956

None

Graph 17

Running R-QUBO_qbsolv...

Coalition structure value for R-QUBO_qbsolv: 0.6098161453602629 - Time: 9.
333370923995972

None

Graph 18

Running R-QUBO_qbsolv...

Coalition structure value for R-QUBO_qbsolv: 0.2399354793810673 - Time: 10
.186848163604736

None

Graph 19

Running R-QUBO_qbsolv...

Coalition structure value for R-QUBO_qbsolv: 2.201714058246395 - Time: 9.
964589834213257

None

File - unknown

Test for graphsize 14

Graph 0

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.2801666702618846 - Time: 9.
685891151428223
None

Graph 1

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.9910337078295726 - Time: 10
.238359212875366
None

Graph 2

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.7896917547366726 - Time: 10
.535990238189697
None

Graph 3

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.32406091265609405 - Time: 9
.348552942276001
None

Graph 4

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.7434000061760955 - Time: 11
.326427936553955
None

Graph 5

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.5577618317755935 - Time: 9.
367712020874023
None

Graph 6

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.8226613726159684 - Time: 9.
753190040588379
None

Graph 7

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.072236044635126 - Time: 10.
017728090286255
None

File - unknown

Graph 8

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.8416300286743024 - Time: 9.
393757820129395
None

Graph 9

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 2.4431815381742013 - Time: 9.
867244005203247
None

Graph 10

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.6521493604439357 - Time: 9.
193763256072998
None

Graph 11

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.1170498230417039 - Time: 9.
521910905838013
None

Graph 12

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.6293034223394756 - Time: 9.
154327154159546
None

Graph 13

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.0358230118990974 - Time: 10
.082805871963501
None

Graph 14

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.0806199836372201 - Time: 9.
666796684265137
None

Graph 15

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.6937347837068302 - Time: 9.
638378858566284
None

Graph 16

File - unknown

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.8614475795839951 - Time: 8.
655292272567749
None

Graph 17

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.9888065387748739 - Time: 8.
777412176132202
None

Graph 18

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.8831225677352705 - Time: 9.
665579795837402
None

Graph 19

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.7870756382366793 - Time: 9.
532449007034302
None

Test for graphsize 16

Graph 0

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.822906633005644 - Time: 10.
25449013710022
None

Graph 1

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.02240091914733 - Time: 10.
219290733337402
None

Graph 2

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.8919407950075495 - Time: 10.
.275552034378052
None

Graph 3

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.8449224007561682 - Time: 10.
.14826512336731
None

Graph 4

File - unknown

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.6262725262860229 - Time: 10
.734522819519043
None

Graph 5

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 3.2643274461642093 - Time: 9.
794970750808716
None

Graph 6

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.3304850667358323 - Time: 10
.523973941802979
None

Graph 7

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.0160665942924254 - Time: 10
.357363939285278
None

Graph 8

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.9121356510589749 - Time: 10
.574258804321289
None

Graph 9

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.9543621161819686 - Time: 9.
875231981277466
None

Graph 10

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.8229066330056085 - Time: 10
.11217188835144
None

Graph 11

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.0224009191474863 - Time: 10
.46600604057312
None

Graph 12

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.8919407950071729 - Time: 9.

File - unknown
97512698173523
None

Graph 13

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.8449224007551734 - Time: 10.
.395472049713135
None

Graph 14

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.6262725262863498 - Time: 10.
.114237070083618
None

Graph 15

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.5325696747462771 - Time: 9.
897944927215576
None

Graph 16

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.9404045759696231 - Time: 9.
999975204467773
None

Graph 17

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.11076397406012 - Time: 10.
67584490776062
None

Graph 18

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.333519919451696 - Time: 10.
958790302276611
None

Graph 19

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.3821471550545326 - Time: 10.
.809860229492188
None

Test for graphsize 18

Graph 0

Running R-QUBO_qbsolv...

File- unknown

Coalition structure value for R-QUBO_qbsolv: 1.22958232134755 - Time: 14.
463643074035645
None

Graph 1

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.9642698128749885 - Time: 13
.598144054412842
None

Graph 2

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.7324635199480483 - Time: 12
.887001037597656
None

Graph 3

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.9489845542806634 - Time: 13
.724995136260986
None

Graph 4

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.5284612501546704 - Time: 12
.705899953842163
None

Graph 5

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.5069596362593671 - Time: 13
.73152494430542
None

Graph 6

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.4521889657959477 - Time: 11
.508769035339355
None

Graph 7

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.0738307702452161 - Time: 14
.204869985580444
None

Graph 8

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.9280845774882422 - Time: 11
.249161958694458
None

Graph 9

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.2154281540707146 - Time: 12
.381863832473755
None

Graph 10

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.4225599222920451 - Time: 12
.586184024810791
None

Graph 11

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.2671337334371202 - Time: 11
.778332948684692
None

Graph 12

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.550146932461665 - Time: 11.
030476093292236
None

Graph 13

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.23850950742086496 - Time:
11.873939990997314
None

Graph 14

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.5123579767928774 - Time: 11
.179481744766235
None

Graph 15

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.7876205949141379 - Time: 12
.883906841278076
None

Graph 16

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.0064599804971195 - Time: 13
.631624937057495
None

Graph 17

File - unknown

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.9666033216792229 - Time: 12
.04284381866455
None

Graph 18

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.939148613571426 - Time: 13.
38598108291626
None

Graph 19

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.8620304898268571 - Time: 15
.121047019958496
None

Test for graphsize 20

Graph 0

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.2286198003634965 - Time: 11
.80458688735962
None

Graph 1

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.146804753056955 - Time: 14.
24943208694458
None

Graph 2

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.1055289628951073 - Time: 14
.049562215805054
None

Graph 3

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.9308740224380188 - Time: 13
.305114269256592
None

Graph 4

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.759847876834371 - Time: 13.
062036037445068
None

File - unknown

Graph 5

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.8329240585346938 - Time: 13
.63188099861145
None

Graph 6

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.2720059272304098 - Time: 13
.25345516204834
None

Graph 7

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.010634009675634 - Time: 14.
236795902252197
None

Graph 8

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.9555164697122933 - Time: 13
.126391649246216
None

Graph 9

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.1140725334617159 - Time: 14
.242166996002197
None

Graph 10

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.1086714555953918 - Time: 14
.102712154388428
None

Graph 11

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.3901409670808889 - Time: 14
.408185005187988
None

Graph 12

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.8273616108029387 - Time: 14
.267133235931396
None

Graph 13

Running R-QUBO_qbsolv...

File- unknown

Coalition structure value for R-QUBO_qbsolv: 1.5096587190417594 - Time: 15
.142730951309204
None

Graph 14

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.142733334196528 - Time: 14.
140756368637085
None

Graph 15

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.338581728684872 - Time: 14.
626819133758545
None

Graph 16

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.4018693972730745 - Time: 17
.38131093978882
None

Graph 17

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.516596878262611 - Time: 13.
739375114440918
None

Graph 18

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.0512632971854572 - Time: 15
.93445611000061
None

Graph 19

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.7348132032658938 - Time: 13
.309458017349243
None

Test for graphsize 22

Graph 0

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.3789109416829959 - Time: 20
.310651302337646
None

Graph 1

File - unknown

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.1445445552090874 - Time: 19
.768062829971313
None

Graph 2

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.1527341057839138 - Time: 21
.30322504043579
None

Graph 3

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 0.8386235254101209 - Time: 20
.497061014175415
None

Graph 4

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.4141131952076123 - Time: 20
.05885887145996
None

Graph 5

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.2311338513693997 - Time: 23
.202532052993774
None

Graph 6

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.9295166795682377 - Time: 19
.10936403274536
None

Graph 7

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.4769895353490199 - Time: 23
.37247085571289
None

Graph 8

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.221000462496292 - Time: 19.
665982007980347
None

Graph 9

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.3166678866445665 - Time: 19
.59038805961609

File - unknown

None

Graph 10

Running R-QUBO_qbsolv...

Coalition structure value for R-QUBO_qbsolv: 1.4844338943951811 - Time: 20
.623671054840088

None

Graph 11

Running R-QUBO_qbsolv...

Coalition structure value for R-QUBO_qbsolv: 1.2221165947339898 - Time: 21
.892914056777954

None

Graph 12

Running R-QUBO_qbsolv...

Coalition structure value for R-QUBO_qbsolv: 1.67675443249464 - Time: 18.
682590007781982

None

Graph 13

Running R-QUBO_qbsolv...

Coalition structure value for R-QUBO_qbsolv: 1.7808146272583585 - Time: 20
.630645036697388

None

Graph 14

Running R-QUBO_qbsolv...

Coalition structure value for R-QUBO_qbsolv: 1.3645584596682312 - Time: 18
.8178870677948

None

Graph 15

Running R-QUBO_qbsolv...

Coalition structure value for R-QUBO_qbsolv: 1.2948763920489057 - Time: 20
.34786820411682

None

Graph 16

Running R-QUBO_qbsolv...

Coalition structure value for R-QUBO_qbsolv: 1.3757912013005225 - Time: 25
.046308040618896

None

Graph 17

Running R-QUBO_qbsolv...

Coalition structure value for R-QUBO_qbsolv: 1.108844836437882 - Time: 20.
138481855392456

None

File - unknown

Graph 18

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.3414015011873701 - Time: 19
.85304284095764
None

Graph 19

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.7448801101228497 - Time: 19
.92967391014099
None

Test for graphsize 24

Graph 0

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.7010052388675874 - Time: 23
.49996519088745
None

Graph 1

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.3886139829530038 - Time: 26
.271035194396973
None

Graph 2

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.5862663420935306 - Time: 24
.793992042541504
None

Graph 3

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.5924746022500145 - Time: 24
.41015076637268
None

Graph 4

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.57079474839486 - Time: 23.
637029886245728
None

Graph 5

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.3426834078204877 - Time: 23
.143847942352295
None

File - unknown

Graph 6

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.4906366941049853 - Time: 22
.532828092575073
None

Graph 7

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.3171557162028549 - Time: 24
.515637636184692
None

Graph 8

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.62116363968439 - Time: 22.
778130292892456
None

Graph 9

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.1355862586534258 - Time: 25
.424153804779053
None

Graph 10

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.3721065249381823 - Time: 22
.92832899093628
None

Graph 11

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.5708787552799706 - Time: 26
.06284809112549
None

Graph 12

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.3241178248075869 - Time: 26
.509942054748535
None

Graph 13

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.811060936422372 - Time: 23.
734945058822632
None

Graph 14

File - unknown

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.816278325728014 - Time: 24.
109410762786865
None

Graph 15

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.4883841820783488 - Time: 23
.07561206817627
None

Graph 16

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.3263648141889561 - Time: 24
.40928077697754
None

Graph 17

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.7055631245185978 - Time: 21
.26640224456787
None

Graph 18

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.447440198799562 - Time: 22.
93104100227356
None

Graph 19

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.9196240992240305 - Time: 24
.53562903404236
None

Test for graphsize 26

Graph 0

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.9275312464485168 - Time: 30
.075576066970825
None

Graph 1

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.9082577259881361 - Time: 30
.55769395828247
None

Graph 2

File - unknown

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.5729638131652308 - Time: 27
.14976477622986
None

Graph 3

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.9552111194626889 - Time: 29
.43686294555664
None

Graph 4

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.5029838005635696 - Time: 27
.826187133789062
None

Graph 5

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.4744191862071574 - Time: 27
.191821813583374
None

Graph 6

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 2.1619977227798017 - Time: 25
.89163327217102
None

Graph 7

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.6961258350955077 - Time: 25
.6663498878479
None

Graph 8

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.7862359408452448 - Time: 25
.665949821472168
None

Graph 9

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 2.074759205108485 - Time: 25.
96830177307129
None

Graph 10

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.837086002332633 - Time: 27.

File - unknown
987585067749023
None

Graph 11

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.240907397555813 - Time: 33
.48282194137573
None

Graph 12

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.6795941655149207 - Time: 27
.493380069732666
None

Graph 13

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.9878145093575128 - Time: 27
.229539155960083
None

Graph 14

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.6557715426500152 - Time: 32
.91769886016846
None

Graph 15

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.9392763337633028 - Time: 29
.651570320129395
None

Graph 16

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.679067250405403 - Time: 32.
135892152786255
None

Graph 17

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.7729039084590497 - Time: 30
.368387699127197
None

Graph 18

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 2.0167658061418194 - Time: 27
.396961212158203
None

File - unknown

Graph 19

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 2.2023526251088157 - Time: 24.
.139298677444458
None

Test for graphsize 28

Graph 0

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 2.102415248660037 - Time: 36.
407768964767456
None

Graph 1

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.7564689501037805 - Time: 38
.13467288017273
None

Graph 2

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.9487780294415487 - Time: 36
.25650095939636
None

Graph 3

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.7278676435872669 - Time: 38
.82771301269531
None

Graph 4

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.9519000169963547 - Time: 33
.30541181564331
None

Graph 5

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.844443706537085 - Time: 42.
33503699302673
None

Graph 6

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.751562178646921 - Time: 36.
78734111785889
None

Graph 7

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 2.147540277130666 - Time: 31.
1463360786438
None

Graph 8

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 2.450492598571003 - Time: 37.
40861177444458
None

Graph 9

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 2.632817062897253 - Time: 34.
81558799743652
None

Graph 10

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 2.0368985620604505 - Time: 40
.3748779296875
None

Graph 11

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.824350813344246 - Time: 44.
877249002456665
None

Graph 12

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.928146562659343 - Time: 42.
67049598693848
None

Graph 13

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 2.6328182331980727 - Time: 38
.435778856277466
None

Graph 14

Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.640450401947703 - Time: 42.
68698477745056
None

Graph 15

File - unknown

```
Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 2.2890933628745316 - Time: 47
.097681283950806
None
```

Graph 16

```
Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 2.569843289461332 - Time: 39.
9107551574707
None
```

Graph 17

```
Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 1.8604912623196768 - Time: 36
.022555112838745
None
```

Graph 18

```
Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 2.2661988687358203 - Time: 34
.564918994903564
None
```

Graph 19

```
Running R-QUBO_qbsolv...
Coalition structure value for R-QUBO_qbsolv: 2.2211219918747673 - Time: 43
.8302903175354
None
Done running tests for non-iterative algorithms with qbsolv.
Created directory: results/eon_data/quantum/qbsolv/parallel
```

Test for graphsize 4

Graph 0

```
Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.028954843277226416
- Time: 0.8445460796356201
None
```

Graph 1

```
Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.5708825220945002 -
Time: 0.9247281551361084
None
```

Graph 2

```
Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.00712843874983804
- Time: 0.8515100479125977
None
```


Graph 3

```
Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.06152625301075432
- Time: 0.4238698482513428
None
```

Graph 4

```
Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.06396917936914548
- Time: 0.42394518852233887
None
```

Graph 5

```
Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.10380144569396066
- Time: 0.43156886100769043
None
```

Graph 6

```
Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.05554082850606079
- Time: 0.4293859004974365
None
```

Graph 7

```
Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.038931269477402 -
Time: 0.9064059257507324
None
```

Graph 8

```
Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.042007430425400116
- Time: 0.4388260841369629
None
```

Graph 9

```
Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.0010690439865044254
- Time: 0.8795137405395508
None
```

Graph 10

```
Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.2197142340515299 -
Time: 0.8558337688446045
None
```

Graph 11

File - unknown

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.2770576453315883 -
Time: 0.8524730205535889
None

Graph 12

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.06753117632182892
- Time: 0.47322702407836914
None

Graph 13

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.01673789206527232
- Time: 0.4278748035430908
None

Graph 14

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.03599345154763256
- Time: 0.4430351257324219
None

Graph 15

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.10695262062797894
- Time: 0.8666229248046875
None

Graph 16

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.06090302529973002
- Time: 0.4389519691467285
None

Graph 17

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.37306828772501177
- Time: 0.9014089107513428
None

Graph 18

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.06615960564805334
- Time: 0.43525099754333496
None

Graph 19

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.24253747559571082

File- unknown

- Time: 0.457805871963501
None

Test for graphsize 6

Graph 0

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.4037548984604129 -
Time: 1.0455758571624756
None

Graph 1

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.14602401068624005
- Time: 1.0444259643554688
None

Graph 2

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.12639840396634128
- Time: 1.0399680137634277
None

Graph 3

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.1447468748308225 -
Time: 1.4667670726776123
None

Graph 4

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.2074140190053555 -
Time: 1.509342908859253
None

Graph 5

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.21629539194693592
- Time: 1.0637180805206299
None

Graph 6

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.1032573088773745 -
Time: 1.047706127166748
None

Graph 7

Running GCS-Q_qbsolv_parallel...

File- unknown

Coalition structure value for GCS-Q_qbsolv_parallel: 0.08555938986791745
- Time: 1.5734539031982422
None

Graph 8

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.13737909873700005
- Time: 1.0828449726104736
None

Graph 9

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.23536312556377226
- Time: 1.0403780937194824
None

Graph 10

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.2985191363911497 -
Time: 1.5053677558898926
None

Graph 11

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.1310541476422742 -
Time: 0.9911770820617676
None

Graph 12

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.20825406819544412
- Time: 1.051563024520874
None

Graph 13

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.20854127218900942
- Time: 1.0490009784698486
None

Graph 14

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.8758237641815896 -
Time: 1.4840879440307617
None

Graph 15

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.29878868277545223
- Time: 1.537978172302246
None

Graph 16

```
Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.5885124948454461 -
Time: 1.0327777862548828
None
```

Graph 17

```
Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.19838467424926165
- Time: 1.0796730518341064
None
```

Graph 18

```
Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.11297024288754187
- Time: 1.528757095336914
None
```

Graph 19

```
Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.9194011936254896 -
Time: 1.0359230041503906
None
```

Test for graphsize 8

Graph 0

```
Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.4037548984604129 -
Time: 0.9618010520935059
None
```

Graph 1

```
Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.14602401068624005
- Time: 0.9897489547729492
None
```

Graph 2

```
Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.12639840396634128
- Time: 1.0176870822906494
None
```

Graph 3

```
Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.1447468748308225 -
Time: 1.4482901096343994
```

File - unknown

None

Graph 4

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 0.2074140190053555 -

Time: 1.5269689559936523

None

Graph 5

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 0.21629539194693592

- Time: 0.9785909652709961

None

Graph 6

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 0.1032573088773745 -

Time: 0.9696028232574463

None

Graph 7

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 0.08555938986791745

- Time: 1.4789628982543945

None

Graph 8

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 0.13737909873700005

- Time: 0.997445821762085

None

Graph 9

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 0.23536312556377226

- Time: 0.9483017921447754

None

Graph 10

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 0.2985191363911497 -

Time: 1.5598711967468262

None

Graph 11

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 0.1310541476422742 -

Time: 0.9519221782684326

None

File - unknown

Graph 12

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 0.20825406819544412

- Time: 0.9603757858276367

None

Graph 13

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 0.20854127218900942

- Time: 0.9915697574615479

None

Graph 14

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 0.8758237641815896 -

Time: 1.5099079608917236

None

Graph 15

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 0.29878868277545223

- Time: 1.4044420719146729

None

Graph 16

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 0.5885124948454461 -

Time: 0.9874269962310791

None

Graph 17

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 0.19838467424926165

- Time: 1.031677007675171

None

Graph 18

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 0.11297024288754187

- Time: 1.5203168392181396

None

Graph 19

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 0.9194011936254896 -

Time: 0.9617249965667725

None

Test for graphsize 10

File - unknown

Graph 0

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.850779136467672 -
Time: 1.9142160415649414
None

Graph 1

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 2.094089420337781 -
Time: 1.4209940433502197
None

Graph 2

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.33784569217207405
- Time: 1.3816990852355957
None

Graph 3

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.4612950977452286 -
Time: 0.9191641807556152
None

Graph 4

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.14424407994825117
- Time: 1.4180731773376465
None

Graph 5

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.044044789115567 -
Time: 1.3847203254699707
None

Graph 6

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.12039452902203607
- Time: 1.4148821830749512
None

Graph 7

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.726339025546757 -
Time: 1.4463000297546387
None

Graph 8

File- unknown

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.6527388888772592 -
Time: 0.9680860042572021
None

Graph 9

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.3547436014939933 -
Time: 0.9543759822845459
None

Graph 10

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.6414529812823204 -
Time: 1.450551986694336
None

Graph 11

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.6441125032737318 -
Time: 0.9236140251159668
None

Graph 12

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.6905379099888833 -
Time: 1.3978240489959717
None

Graph 13

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.2492454155493249 -
Time: 0.9404540061950684
None

Graph 14

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.39705675702467147
- Time: 1.4178190231323242
None

Graph 15

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.1076973646763904 -
Time: 1.4225599765777588
None

Graph 16

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.5195958328469317 -
Time: 0.9460000991821289

File - unknown

None

Graph 17

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 0.5224072535037649 -

Time: 1.4198589324951172

None

Graph 18

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 0.4516002911853718 -

Time: 1.3693251609802246

None

Graph 19

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 1.8013746780583304 -

Time: 0.9164190292358398

None

Test for graphsize 12

Graph 0

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 0.6150486301365916 -

Time: 0.912696123123169

None

Graph 1

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 1.082427022828277 -

Time: 1.3169419765472412

None

Graph 2

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 0.38475651674715294

- Time: 0.8620989322662354

None

Graph 3

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 0.560367844286219 -

Time: 0.8789827823638916

None

Graph 4

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 0.44488729516555026

File - unknown

- Time: 0.763279914855957
None

Graph 5

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.8431061084135649 -
Time: 0.8748600482940674
None

Graph 6

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.7639394580685206 -
Time: 1.3821961879730225
None

Graph 7

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.7792806079405281 -
Time: 1.320815086364746
None

Graph 8

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.2591533310888252 -
Time: 1.3331272602081299
None

Graph 9

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.5954578349497766 -
Time: 0.8963119983673096
None

Graph 10

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.6059122564815951 -
Time: 1.3855249881744385
None

Graph 11

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.702289163217074 -
Time: 1.333794116973877
None

Graph 12

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.8736191784041978 -
Time: 0.9135689735412598
None

File - unknown

Graph 13

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.6561829802817627 -
Time: 0.866919994354248
None

Graph 14

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.3546157387198363 -
Time: 1.2831950187683105
None

Graph 15

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.5777465750025783 -
Time: 1.4318101406097412
None

Graph 16

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.1420601440215776 -
Time: 1.2497210502624512
None

Graph 17

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.6098161453602629 -
Time: 0.877281904220581
None

Graph 18

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.2399354793810673 -
Time: 1.2870457172393799
None

Graph 19

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 2.201714058246395 -
Time: 1.3347277641296387
None

Test for graphsize 14

Graph 0

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.2801666702618846 -
Time: 0.6033680438995361
None

Graph 1

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.9910337078295726 -
Time: 0.28615903854370117
None

Graph 2

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.7896917547366726 -
Time: 0.28287720680236816
None

Graph 3

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.32406091265609405 -
Time: 0.574692964553833
None

Graph 4

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.7434000061760955 -
Time: 0.29511213302612305
None

Graph 5

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.5577618317755935 -
Time: 0.5730447769165039
None

Graph 6

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.8226613726159684 -
Time: 0.9645709991455078
None

Graph 7

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.072236044635126 -
Time: 0.28987693786621094
None

Graph 8

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.8416300286743024 -
Time: 0.6288602352142334
None

Graph 9

File - unknown

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 2.4431815381742013 -
Time: 0.5668470859527588
None

Graph 10

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.6521493604439357 -
Time: 0.5963640213012695
None

Graph 11

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.1170498230417039 -
Time: 0.2812931537628174
None

Graph 12

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.6293034223394756 -
Time: 1.016780138015747
None

Graph 13

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.0358230118990974 -
Time: 0.2909870147705078
None

Graph 14

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.0806199836372201 -
Time: 0.6134350299835205
None

Graph 15

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.6937347837068302 -
Time: 0.23985576629638672
None

Graph 16

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.8614475795839951 -
Time: 0.6052639484405518
None

Graph 17

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.9888065387748739 -

File - unknown

Time: 0.5988099575042725

None

Graph 18

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 0.8831225677352705 -

Time: 0.9911270141601562

None

Graph 19

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 1.7870756382366793 -

Time: 0.6546947956085205

None

Test for graphsize 16

Graph 0

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 0.822906633005644 -

Time: 0.7146368026733398

None

Graph 1

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 1.02240091914733 -

Time: 0.7661571502685547

None

Graph 2

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 0.8919407950075495 -

Time: 0.48075008392333984

None

Graph 3

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 0.8196815933776946 -

Time: 0.4860100746154785

None

Graph 4

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 0.6262725262860229 -

Time: 0.7585396766662598

None

Graph 5

Running GCS-Q_qbsolv_parallel...

File- unknown

Coalition structure value for GCS-Q_qbsolv_parallel: 3.2643274461642093 -
Time: 0.7271909713745117
None

Graph 6

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.3304850667358323 -
Time: 0.707226037979126
None

Graph 7

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.0160665942924254 -
Time: 0.7429301738739014
None

Graph 8

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.9121356510589749 -
Time: 0.541370153427124
None

Graph 9

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.9543621161819686 -
Time: 0.5096099376678467
None

Graph 10

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.8229066330056085 -
Time: 0.6875848770141602
None

Graph 11

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.0224009191474863 -
Time: 0.7850632667541504
None

Graph 12

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.8919407950071729 -
Time: 0.48507213592529297
None

Graph 13

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.8196815933778865 -
Time: 0.4925849437713623
None

Graph 14

```
Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.6262725262863498 -
Time: 0.736191987991333
None
```

Graph 15

```
Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.5325696747462771 -
Time: 0.7601988315582275
None
```

Graph 16

```
Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.9404045759696231 -
Time: 0.7830362319946289
None
```

Graph 17

```
Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.0815657970830443 -
Time: 0.7399327754974365
None
```

Graph 18

```
Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.333519919451696 -
Time: 0.7964191436767578
None
```

Graph 19

```
Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.3821471550545326 -
Time: 0.7353198528289795
None
```

Test for graphsize 18

Graph 0

```
Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.22958232134755 -
Time: 0.5177221298217773
None
```

Graph 1

```
Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.9642698128749885 -
Time: 0.7483639717102051
```

File - unknown

None

Graph 2

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 0.7324635199480483 -

Time: 0.5046508312225342

None

Graph 3

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 0.9489845542806634 -

Time: 0.8133909702301025

None

Graph 4

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 0.5284612501546704 -

Time: 0.5179519653320312

None

Graph 5

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 0.48980244996036504

- Time: 1.0533959865570068

None

Graph 6

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 0.4521889657959477 -

Time: 0.8069369792938232

None

Graph 7

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 1.0738307702452161 -

Time: 0.7427780628204346

None

Graph 8

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 0.9280845774882422 -

Time: 0.5244951248168945

None

Graph 9

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 1.2009069438743012 -

Time: 0.7594890594482422

None

File - unknown

Graph 10

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 0.4225599222920451 -

Time: 0.2417898178100586

None

Graph 11

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 1.2671337334371202 -

Time: 0.25781869888305664

None

Graph 12

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 0.550146932461665 -

Time: 0.2341318130493164

None

Graph 13

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 0.23834967177599253

- Time: 0.4616398811340332

None

Graph 14

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 0.5123579767928774 -

Time: 0.5058069229125977

None

Graph 15

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 0.7845770152238103 -

Time: 0.7575058937072754

None

Graph 16

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 1.0013286853347196 -

Time: 0.8168549537658691

None

Graph 17

Running GCS-Q_qbsolv_parallel...

Coalition structure value for GCS-Q_qbsolv_parallel: 0.9666033216792229 -

Time: 0.4730539321899414

None

Graph 18

Running GCS-Q_qbsolv_parallel...

File- unknown

Coalition structure value for GCS-Q_qbsolv_parallel: 0.9363513562122208 -
Time: 0.48238110542297363
None

Graph 19

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.8620304898268571 -
Time: 0.7099449634552002
None

Test for graphsize 20

Graph 0

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.2286198003634965 -
Time: 0.763139009475708
None

Graph 1

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.146804753056955 -
Time: 0.7731499671936035
None

Graph 2

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.1026852377632395 -
Time: 0.9753479957580566
None

Graph 3

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.9308740224380188 -
Time: 0.800590991973877
None

Graph 4

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.759847876834371 -
Time: 0.578603982925415
None

Graph 5

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.7916099307551931 -
Time: 1.2022368907928467
None

Graph 6

File - unknown

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.2711272966671245 -
Time: 0.8342199325561523
None

Graph 7

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.010634009675634 -
Time: 0.7868750095367432
None

Graph 8

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.939637938111396 -
Time: 1.0681359767913818
None

Graph 9

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.1140725334617159 -
Time: 0.4667019844055176
None

Graph 10

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.0960441630965505 -
Time: 0.7688989639282227
None

Graph 11

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.3901409670808889 -
Time: 0.700840950012207
None

Graph 12

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.8273616108029387 -
Time: 0.5649690628051758
None

Graph 13

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.5096587190417594 -
Time: 0.5368142127990723
None

Graph 14

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.142733334196528 -
Time: 0.6118807792663574

File - unknown

None

Graph 15

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.338581728684872 -
Time: 0.8527610301971436
None

Graph 16

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.4018693972730745 -
Time: 0.5795068740844727
None

Graph 17

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.516596878262611 -
Time: 0.5468959808349609
None

Graph 18

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.0512632971854572 -
Time: 0.7723672389984131
None

Graph 19

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.7348132032658938 -
Time: 0.4835929870605469
None

Test for graphsize 22

Graph 0

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.3662271298697704 -
Time: 0.7894108295440674
None

Graph 1

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.1445445552090874 -
Time: 0.9490480422973633
None

Graph 2

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.1327657004309728 -

File - unknown

Time: 0.8079290390014648
None

Graph 3

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 0.8183394709073113 -
Time: 0.9479360580444336
None

Graph 4

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.4141131952076123 -
Time: 0.7848446369171143
None

Graph 5

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.2311338513693997 -
Time: 0.5424933433532715
None

Graph 6

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.9260262036996991 -
Time: 0.5611860752105713
None

Graph 7

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.4593783482958784 -
Time: 0.8445639610290527
None

Graph 8

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.221000462496292 -
Time: 0.8064861297607422
None

Graph 9

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.3166678866445665 -
Time: 0.7513809204101562
None

Graph 10

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.4543770177705042 -
Time: 0.7535879611968994
None

File - unknown

Graph 11

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.2095289251892822 -
Time: 0.8530759811401367
None

Graph 12

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.67675443249464 -
Time: 0.8905432224273682
None

Graph 13

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.7808146272583585 -
Time: 0.7449970245361328
None

Graph 14

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.3645584596682312 -
Time: 0.86415696144104
None

Graph 15

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.2948763920489057 -
Time: 0.5641510486602783
None

Graph 16

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.3065803939983311 -
Time: 0.6703817844390869
None

Graph 17

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.108844836437882 -
Time: 0.8094921112060547
None

Graph 18

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.3414015011873701 -
Time: 0.8242218494415283
None

Graph 19

File- unknown

```
Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.7448801101228497 -
Time: 0.7855696678161621
None
```

Test for graphsize 24

Graph 0

```
Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.6957292952497127 -
Time: 1.0635199546813965
None
```

Graph 1

```
Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.3648258997912563 -
Time: 0.8870620727539062
None
```

Graph 2

```
Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.5862663420935306 -
Time: 0.9980449676513672
None
```

Graph 3

```
Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.5758503856590522 -
Time: 1.20338773727417
None
```

Graph 4

```
Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.5177594295021066 -
Time: 0.7973229885101318
None
```

Graph 5

```
Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.3426834078204877 -
Time: 0.534276008605957
None
```

Graph 6

```
Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.4906366941049853 -
Time: 0.7831990718841553
None
```

Graph 7

File - unknown

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.303891450093154 -
Time: 0.841386079788208
None

Graph 8

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.5651120069379019 -
Time: 0.5256071090698242
None

Graph 9

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.118404332784839 -
Time: 0.8938970565795898
None

Graph 10

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.3694392886737887 -
Time: 0.7883431911468506
None

Graph 11

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.5448915746994771 -
Time: 0.7945139408111572
None

Graph 12

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.3241178248075869 -
Time: 0.554163932800293
None

Graph 13

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.811060936422372 -
Time: 0.5565629005432129
None

Graph 14

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.816278325728014 -
Time: 0.4950416088104248
None

Graph 15

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.4883841820783488 -

File - unknown

Time: 0.7734971046447754
None

Graph 16

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.314858975952312 -
Time: 0.8213682174682617
None

Graph 17

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.6836232991019457 -
Time: 0.8589141368865967
None

Graph 18

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.447440198799562 -
Time: 0.8296194076538086
None

Graph 19

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.9031811436474015 -
Time: 0.8457670211791992
None

Test for graphsize 26

Graph 0

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.9255824808106539 -
Time: 0.9013669490814209
None

Graph 1

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.9082577259881361 -
Time: 1.1534290313720703
None

Graph 2

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.5576083280462925 -
Time: 0.7730700969696045
None

Graph 3

Running GCS-Q_qbsolv_parallel...

File- unknown

Coalition structure value for GCS-Q_qbsolv_parallel: 1.9552111194626889 -
Time: 1.0505421161651611
None

Graph 4

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.4980253640183747 -
Time: 0.8193879127502441
None

Graph 5

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.4744191862071574 -
Time: 0.8912878036499023
None

Graph 6

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 2.1619977227798017 -
Time: 0.7739968299865723
None

Graph 7

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.664779258764888 -
Time: 1.1301229000091553
None

Graph 8

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.680836918072643 -
Time: 0.7525949478149414
None

Graph 9

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 2.0715227296308143 -
Time: 0.8660850524902344
None

Graph 10

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.80854649725606 -
Time: 0.8482239246368408
None

Graph 11

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.2234965467332017 -
Time: 0.86490797996521
None

Graph 12

```
Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.659938258767916 -
Time: 1.032684087753296
None
```

Graph 13

```
Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.9708575516204547 -
Time: 0.5326070785522461
None
```

Graph 14

```
Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.6557715426500152 -
Time: 0.5496549606323242
None
```

Graph 15

```
Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.9258545958374498 -
Time: 0.7616219520568848
None
```

Graph 16

```
Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.6503967364751233 -
Time: 0.8277246952056885
None
```

Graph 17

```
Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.7514283684036869 -
Time: 0.8893640041351318
None
```

Graph 18

```
Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.9671809150709052 -
Time: 0.997769832611084
None
```

Graph 19

```
Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 2.160091522388214 -
Time: 0.9146461486816406
None
```

File-unknown

Test for graphsize 28

Graph 0

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 2.102415248660037 -
Time: 0.9053590297698975
None

Graph 1

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.7564689501037805 -
Time: 1.1062960624694824
None

Graph 2

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.9487780294415487 -
Time: 0.9183750152587891
None

Graph 3

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.7278676435872669 -
Time: 0.9831938743591309
None

Graph 4

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.9519000169963547 -
Time: 0.8238809108734131
None

Graph 5

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.8267031207920468 -
Time: 0.9092638492584229
None

Graph 6

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.751562178646921 -
Time: 0.7832839488983154
None

Graph 7

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 2.1394510325771066 -
Time: 0.8325800895690918
None

File - unknown

Graph 8

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 2.450492598571003 -
Time: 1.0354499816894531
None

Graph 9

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 2.632817062897253 -
Time: 0.7858538627624512
None

Graph 10

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 2.026689318811087 -
Time: 0.9355030059814453
None

Graph 11

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.8044621873622972 -
Time: 0.8401122093200684
None

Graph 12

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.8678105117869919 -
Time: 0.8875341415405273
None

Graph 13

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 2.6328182331980727 -
Time: 1.0414838790893555
None

Graph 14

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.640450401947703 -
Time: 0.570214033126831
None

Graph 15

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 2.2890933628745316 -
Time: 0.7706618309020996
None

Graph 16

Running GCS-Q_qbsolv_parallel...

File- unknown

Coalition structure value for GCS-Q_qbsolv_parallel: 2.569843289461332 -
Time: 0.9046337604522705
None

Graph 17

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 1.8262216593219236 -
Time: 0.863192081451416
None

Graph 18

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 2.216753238826982 -
Time: 0.8489868640899658
None

Graph 19

Running GCS-Q_qbsolv_parallel...
Coalition structure value for GCS-Q_qbsolv_parallel: 2.2211219918747673 -
Time: 0.7429311275482178
None
Done running tests for GCS-Q with qbsolv in True mode.
Created directory: results/eon_data/quantum/qbsolv/parallel/k=3

Test for graphsize 4

Graph 0

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.028954843277226416 - Time: 0.8342897891998291
None

Graph 1

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.5708825220945002 - Time: 0.8620338439941406
None

Graph 2

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.00712843874983804 - Time: 0.7782740592956543
None

Graph 3

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.06152625301075432 - Time: 0.4034309387207031
None

File - unknown

Graph 4

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.06396917936914548 - Time: 0.39879918098449707
None

Graph 5

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.10380144569396066 - Time: 0.39496612548828125
None

Graph 6

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.05554082850606079 - Time: 0.39213991165161133
None

Graph 7

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.038931269477402 - Time: 0.7945461273193359
None

Graph 8

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.042007430425400116 - Time: 0.41353702545166016
None

Graph 9

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.0010690439865044254 - Time: 0.7886011600494385
None

Graph 10

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.2197142340515299 - Time: 0.7855188846588135
None

Graph 11

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.2770576453315883 - Time: 0.8014638423919678
None

Graph 12

Running 3_split_ours_iterative_exactly_qbsolv_parallel...

File- unknown

Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.06753117632182892 - Time: 0.3931310176849365
None

Graph 13

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.01673789206527232 - Time: 0.40610599517822266
None

Graph 14

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.03599345154763256 - Time: 0.3941347599029541
None

Graph 15

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.10695262062797894 - Time: 0.7935953140258789
None

Graph 16

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.06090302529973002 - Time: 0.3998570442199707
None

Graph 17

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.37306828772501177 - Time: 0.876446008682251
None

Graph 18

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.06615960564805334 - Time: 0.4091489315032959
None

Graph 19

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.24253747559571082 - Time: 0.39309191703796387
None

Test for graphsize 6

Graph 0

File - unknown

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.4037548984604129 - Time: 0.5321290493011475
None
```

Graph 1

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.14602401068624005 - Time: 0.5198206901550293
None
```

Graph 2

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.12639840396634128 - Time: 0.5413010120391846
None
```

Graph 3

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.1447468748308225 - Time: 0.5625758171081543
None
```

Graph 4

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.2074140190053555 - Time: 0.6258091926574707
None
```

Graph 5

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.21629539194693592 - Time: 0.6059839725494385
None
```

Graph 6

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.1032573088773745 - Time: 0.5683550834655762
None
```

Graph 7

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.08555938986791745 - Time: 0.6299870014190674
None
```

Graph 8

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.13737909873700005 - Time: 0.5232000350952148
```

File - unknown

None

Graph 9

Running 3_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.23536312556377226 - Time: 0.5226612091064453

None

Graph 10

Running 3_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.2985191363911497 - Time: 0.6084518432617188

None

Graph 11

Running 3_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.1310541476422742 - Time: 0.532141923904419

None

Graph 12

Running 3_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.20825406819544412 - Time: 0.6604139804840088

None

Graph 13

Running 3_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.2924666692276716 - Time: 0.5553450584411621

None

Graph 14

Running 3_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.8758237641815896 - Time: 0.6987929344177246

None

Graph 15

Running 3_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.29878868277545223 - Time: 0.6852250099182129

None

Graph 16

Running 3_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.5885124948454461 - Time: 0.5710580348968506

None

File - unknown

Graph 17

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.19838467424926165 - Time: 0.5565018653869629
None
```

Graph 18

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.11297024288754187 - Time: 0.5595760345458984
None
```

Graph 19

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.9194011936254896 - Time: 0.5035750865936279
None
```

Test for graphsize 8

Graph 0

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.4037548984604129 - Time: 0.5319092273712158
None
```

Graph 1

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.14602401068624005 - Time: 0.5018439292907715
None
```

Graph 2

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.12639840396634128 - Time: 0.5411128997802734
None
```

Graph 3

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.1447468748308225 - Time: 0.5280518531799316
None
```

Graph 4

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.2074140190053555 - Time: 0.5275330543518066
None
```

Graph 5

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.21629539194693592 - Time: 0.5205399990081787
None
```

Graph 6

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.1032573088773745 - Time: 0.5706501007080078
None
```

Graph 7

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.08555938986791745 - Time: 0.7230560779571533
None
```

Graph 8

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.13737909873700005 - Time: 0.5656509399414062
None
```

Graph 9

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.23536312556377226 - Time: 0.5947611331939697
None
```

Graph 10

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.2985191363911497 - Time: 0.611562967300415
None
```

Graph 11

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.1310541476422742 - Time: 0.5471837520599365
None
```

Graph 12

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.20825406819544412 - Time: 0.5016648769378662
None
```

Graph 13

File - unknown

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.2924666692276716 - Time: 0.7592551708221436
None
```

Graph 14

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.8758237641815896 - Time: 0.5938007831573486
None
```

Graph 15

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.29878868277545223 - Time: 0.5053980350494385
None
```

Graph 16

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.5885124948454461 - Time: 0.5180130004882812
None
```

Graph 17

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.19838467424926165 - Time: 0.5320179462432861
None
```

Graph 18

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.11297024288754187 - Time: 0.5557632446289062
None
```

Graph 19

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.9194011936254896 - Time: 0.5657179355621338
None
```

Test for graphsize 10

Graph 0

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.850779136467672 - Time: 0.8563740253448486
None
```

Graph 1

File - unknown

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
2.113205218829208 - Time: 0.554069995880127
None
```

Graph 2

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.33784569217207405 - Time: 0.6041080951690674
None
```

Graph 3

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.4612950977452286 - Time: 0.5579550266265869
None
```

Graph 4

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.16780273947890834 - Time: 0.8303282260894775
None
```

Graph 5

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.044044789115567 - Time: 0.6319639682769775
None
```

Graph 6

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.12039452902203607 - Time: 0.5488109588623047
None
```

Graph 7

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.726339025546757 - Time: 0.5312719345092773
None
```

Graph 8

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.652738888772592 - Time: 0.583712100982666
None
```

Graph 9

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
```


File - unknown

0.3547436014939933 - Time: 0.6180379390716553
None

Graph 10

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.6588998527449874 - Time: 0.7704949378967285
None

Graph 11

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.6441125032737318 - Time: 0.726189136505127
None

Graph 12

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.6905379099888833 - Time: 0.627830982208252
None

Graph 13

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.2492454155493249 - Time: 0.6315231323242188
None

Graph 14

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.39705675702467147 - Time: 0.7279720306396484
None

Graph 15

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.1076973646763904 - Time: 0.8869562149047852
None

Graph 16

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.5195958328469317 - Time: 0.6043961048126221
None

Graph 17

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.5224072535037649 - Time: 0.6491971015930176
None

Graph 18

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.4516002911853718 - Time: 0.6585798263549805
None
```

Graph 19

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.8013746780583304 - Time: 0.7578449249267578
None
```

Test for graphsize 12

Graph 0

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.6150486301365916 - Time: 0.6339151859283447
None
```

Graph 1

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.082427022828277 - Time: 0.8212668895721436
None
```

Graph 2

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.38475651674715294 - Time: 0.8142757415771484
None
```

Graph 3

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.560367844286219 - Time: 0.5730481147766113
None
```

Graph 4

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.44488729516555026 - Time: 0.6653721332550049
None
```

Graph 5

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.8431061084135649 - Time: 0.613732099533081
None
```

Graph 6

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.7639394580685206 - Time: 0.6310851573944092
None
```

Graph 7

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.7792806079405281 - Time: 0.6834383010864258
None
```

Graph 8

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.2591533310888252 - Time: 0.8387100696563721
None
```

Graph 9

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.5954578349497766 - Time: 0.6392929553985596
None
```

Graph 10

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.6059122564815951 - Time: 0.7093768119812012
None
```

Graph 11

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.702289163217074 - Time: 0.7314469814300537
None
```

Graph 12

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.8736191784041978 - Time: 0.661639928817749
None
```

Graph 13

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.6561829802817627 - Time: 0.6529648303985596
None
```

Graph 14

File - unknown

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.4616685125603937 - Time: 0.637660026550293
None
```

Graph 15

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.5777465750025783 - Time: 0.6763789653778076
None
```

Graph 16

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.1582704298219042 - Time: 0.6343660354614258
None
```

Graph 17

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.6098161453602629 - Time: 0.5988378524780273
None
```

Graph 18

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.2399354793810673 - Time: 0.6530861854553223
None
```

Graph 19

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
2.201714058246395 - Time: 0.3760981559753418
None
```

Test for graphsize 14

Graph 0

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.2801666702618846 - Time: 0.7126898765563965
None
```

Graph 1

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.9910337078295726 - Time: 0.33191490173339844
None
```

File - unknown

Graph 2

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.7896917547366726 - Time: 0.3502378463745117
None

Graph 3

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.32406091265609405 - Time: 0.7735490798950195
None

Graph 4

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.7434000061760955 - Time: 0.3332066535949707
None

Graph 5

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.5577618317755935 - Time: 0.7180740833282471
None

Graph 6

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.8226613726159684 - Time: 0.6647968292236328
None

Graph 7

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.072236044635126 - Time: 0.3562140464782715
None

Graph 8

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.8416300286743024 - Time: 0.7417118549346924
None

Graph 9

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
2.4431815381742013 - Time: 0.7669289112091064
None

Graph 10

Running 3_split_ours_iterative_exactly_qbsolv_parallel...

File- unknown

Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.6521493604439357 - Time: 0.6996438503265381
None

Graph 11

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.1170498230417039 - Time: 0.32585906982421875
None

Graph 12

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.6293034223394756 - Time: 0.7452681064605713
None

Graph 13

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.0358230118990974 - Time: 0.32872915267944336
None

Graph 14

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.0806199836372201 - Time: 0.6697399616241455
None

Graph 15

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.6937347837068302 - Time: 0.32973694801330566
None

Graph 16

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.8614475795839951 - Time: 0.7010350227355957
None

Graph 17

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.9888065387748739 - Time: 0.7012579441070557
None

Graph 18

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.8831225677352705 - Time: 0.677739143371582
None

Graph 19

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.7870756382366793 - Time: 0.7978150844573975
None
```

Test for graphsize 16

Graph 0

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.822906633005644 - Time: 5.0333051681518555
None
```

Graph 1

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.02240091914733 - Time: 5.094650030136108
None
```

Graph 2

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.8919407950075495 - Time: 10.47286605834961
None
```

Graph 3

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.8449224007561682 - Time: 8.757498025894165
None
```

Graph 4

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.6262725262860229 - Time: 6.016005277633667
None
```

Graph 5

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
3.2643274461642093 - Time: 4.0980188846588135
None
```

Graph 6

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.3304850667358323 - Time: 5.661442995071411
```

File - unknown

None

Graph 7

Running 3_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.0160665942924254 - Time: 4.880967855453491

None

Graph 8

Running 3_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.9121356510589749 - Time: 5.375679016113281

None

Graph 9

Running 3_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.9543621161819686 - Time: 5.625460147857666

None

Graph 10

Running 3_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.8229066330056085 - Time: 5.0564610958099365

None

Graph 11

Running 3_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.0224009191474863 - Time: 5.0788421630859375

None

Graph 12

Running 3_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.8919407950071729 - Time: 10.346286058425903

None

Graph 13

Running 3_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.8449224007551734 - Time: 9.714457750320435

None

Graph 14

Running 3_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.6262725262863498 - Time: 5.902698040008545

None

File - unknown

Graph 15

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.5325696747462771 - Time: 5.001279830932617
None

Graph 16

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.9404045759696231 - Time: 6.015689849853516
None

Graph 17

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.0815657970830443 - Time: 4.9035749435424805
None

Graph 18

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.333519919451696 - Time: 5.243511199951172
None

Graph 19

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.3821471550545326 - Time: 5.1136720180511475
None

Test for graphsize 18

Graph 0

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.22958232134755 - Time: 9.966622829437256
None

Graph 1

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.9642698128749885 - Time: 9.582310199737549
None

Graph 2

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.7324635199480483 - Time: 9.505037069320679
None

Graph 3

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.9489845542806634 - Time: 10.00672197341919
None
```

Graph 4

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.5284612501546704 - Time: 9.729809045791626
None
```

Graph 5

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.5069596362593671 - Time: 10.095278024673462
None
```

Graph 6

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.4521889657959477 - Time: 10.32534670829773
None
```

Graph 7

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.0738307702452161 - Time: 9.361043930053711
None
```

Graph 8

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.9280845774882422 - Time: 9.596402168273926
None
```

Graph 9

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.2154281540707146 - Time: 14.457890748977661
None
```

Graph 10

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.4225599222920451 - Time: 4.828851938247681
None
```

Graph 11

File - unknown

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.2671337334371202 - Time: 4.762472152709961
None
```

Graph 12

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.550146932461665 - Time: 4.787915945053101
None
```

Graph 13

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.23850950742086496 - Time: 10.357851028442383
None
```

Graph 14

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.5123579767928774 - Time: 9.59610915184021
None
```

Graph 15

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.7876205949141379 - Time: 9.465825080871582
None
```

Graph 16

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.0064599804971195 - Time: 9.753382921218872
None
```

Graph 17

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.9666033216792229 - Time: 9.635639190673828
None
```

Graph 18

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.939148613571426 - Time: 9.601501941680908
None
```

Graph 19

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.8620304898268571 - Time: 9.517461061477661
```

File - unknown

None

Test for graphsize 20

Graph 0

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.2286198003634965 - Time: 9.649930000305176
None

Graph 1

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.146804753056955 - Time: 9.626008987426758
None

Graph 2

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.1055289628951073 - Time: 15.83407998085022
None

Graph 3

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.9308740224380188 - Time: 9.054094076156616
None

Graph 4

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.759847876834371 - Time: 9.449403762817383
None

Graph 5

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.8329240585346938 - Time: 14.533553838729858
None

Graph 6

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.2720059272304098 - Time: 9.782189130783081
None

Graph 7

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:

File - unknown

1.010634009675634 - Time: 9.257943868637085
None

Graph 8

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.9555164697122933 - Time: 9.516114950180054
None

Graph 9

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.1140725334617159 - Time: 10.80384612083435
None

Graph 10

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.1086714555953918 - Time: 14.550148963928223
None

Graph 11

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.3901409670808889 - Time: 10.052366018295288
None

Graph 12

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.8273616108029387 - Time: 9.873086929321289
None

Graph 13

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.5096587190417594 - Time: 9.839225053787231
None

Graph 14

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.142733334196528 - Time: 10.36650013923645
None

Graph 15

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.338581728684872 - Time: 10.233412265777588
None

File - unknown

Graph 16

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.4018693972730745 - Time: 9.756357908248901
None
```

Graph 17

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.516596878262611 - Time: 9.955816984176636
None
```

Graph 18

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.0512632971854572 - Time: 10.214659929275513
None
```

Graph 19

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.7348132032658938 - Time: 9.810993909835815
None
```

Test for graphsize 22

Graph 0

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.3789109416829959 - Time: 10.710129737854004
None
```

Graph 1

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.1445445552090874 - Time: 9.456485748291016
None
```

Graph 2

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.1527341057839138 - Time: 13.615219354629517
None
```

Graph 3

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
0.8386235254101209 - Time: 10.052953720092773
None
```

Graph 4

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.4141131952076123 - Time: 9.777401208877563
None
```

Graph 5

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.2311338513693997 - Time: 10.083186149597168
None
```

Graph 6

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.9295166795682377 - Time: 9.604014158248901
None
```

Graph 7

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.4769895353490199 - Time: 9.985146760940552
None
```

Graph 8

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.221000462496292 - Time: 9.99278998374939
None
```

Graph 9

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.3166678866445665 - Time: 9.961636304855347
None
```

Graph 10

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.4844338943951811 - Time: 14.240511894226074
None
```

Graph 11

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.2221165947339898 - Time: 10.119860887527466
None
```

Graph 12

File - unknown

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.67675443249464 - Time: 9.60339093208313
None
```

Graph 13

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.778020549731309 - Time: 15.012658834457397
None
```

Graph 14

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.3645584596682312 - Time: 9.999465227127075
None
```

Graph 15

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.2948763920489057 - Time: 9.724978923797607
None
```

Graph 16

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.3757912013005225 - Time: 10.227605819702148
None
```

Graph 17

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.108844836437882 - Time: 9.980259895324707
None
```

Graph 18

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.3414015011873701 - Time: 9.904481887817383
None
```

Graph 19

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.7448801101228497 - Time: 9.69602108001709
None
```

Test for graphsize 24

File - unknown

Graph 0

Running 3_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.7010052388675874 - Time: 9.761574029922485
None

Graph 1

Running 3_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.3886139829530038 - Time: 9.564388275146484
None

Graph 2

Running 3_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.5862663420935306 - Time: 13.126924991607666
None

Graph 3

Running 3_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.5920712457888229 - Time: 14.85931396484375
None

Graph 4

Running 3_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.57079474839486 - Time: 9.580688953399658
None

Graph 5

Running 3_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.3426834078204877 - Time: 9.837852001190186
None

Graph 6

Running 3_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.4906366941049853 - Time: 9.431324243545532
None

Graph 7

Running 3_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.3171557162028549 - Time: 9.916149139404297
None

Graph 8

Running 3_split_ours_iterative_exactly_qbsolv_parallel...

File- unknown

Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.62116363968439 - Time: 9.507160902023315
None

Graph 9

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.1344824494506014 - Time: 9.496667861938477
None

Graph 10

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.3721065249381823 - Time: 9.684852838516235
None

Graph 11

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.5708787552799706 - Time: 8.976284980773926
None

Graph 12

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.3241178248075869 - Time: 9.667072057723999
None

Graph 13

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.811060936422372 - Time: 10.35964584350586
None

Graph 14

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.816278325728014 - Time: 10.480721950531006
None

Graph 15

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.4883841820783488 - Time: 9.879087924957275
None

Graph 16

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.3263648141889561 - Time: 9.867717027664185
None

Graph 17

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.6946591168662763 - Time: 13.892948865890503
None
```

Graph 18

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.447440198799562 - Time: 10.048299074172974
None
```

Graph 19

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.9196240992240305 - Time: 10.654476881027222
None
```

Test for graphsize 26

Graph 0

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.9275312464485168 - Time: 10.595968008041382
None
```

Graph 1

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.9082577259881361 - Time: 10.18186616897583
None
```

Graph 2

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.5656923329069414 - Time: 13.6628999710083
None
```

Graph 3

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.9552111194626889 - Time: 9.900699853897095
None
```

Graph 4

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.4980253640183747 - Time: 10.027331113815308
```

File - unknown

None

Graph 5

Running 3_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.4744191862071574 - Time: 9.587299823760986

None

Graph 6

Running 3_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
2.1619977227798017 - Time: 10.299992084503174

None

Graph 7

Running 3_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.6961258350955077 - Time: 14.683482885360718

None

Graph 8

Running 3_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.7862359408452448 - Time: 14.856902837753296

None

Graph 9

Running 3_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
2.074759205108485 - Time: 13.532112836837769

None

Graph 10

Running 3_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.837086002332633 - Time: 17.325096130371094

None

Graph 11

Running 3_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.2409073975555813 - Time: 10.654007196426392

None

Graph 12

Running 3_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.6794175267784794 - Time: 9.731780052185059

None

File - unknown

Graph 13

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.9878145093575128 - Time: 11.710126638412476
None

Graph 14

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.6557715426500152 - Time: 11.288302898406982
None

Graph 15

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.9392763337633028 - Time: 11.09382176399231
None

Graph 16

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.679067250405403 - Time: 10.455601215362549
None

Graph 17

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.7729039084590497 - Time: 9.920419216156006
None

Graph 18

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
2.0167658061418194 - Time: 9.82508397102356
None

Graph 19

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
2.2023526251088157 - Time: 9.815510988235474
None

Test for graphsize 28

Graph 0

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
2.102415248660037 - Time: 10.143253087997437
None

Graph 1

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.7564689501037805 - Time: 10.288304090499878
None
```

Graph 2

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.9487780294415487 - Time: 11.545249223709106
None
```

Graph 3

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.7278676435872669 - Time: 11.128651142120361
None
```

Graph 4

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.9519000169963547 - Time: 11.040224075317383
None
```

Graph 5

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.844443706537085 - Time: 17.959992170333862
None
```

Graph 6

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.751562178646921 - Time: 10.168480157852173
None
```

Graph 7

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
2.147540277130666 - Time: 10.15027904510498
None
```

Graph 8

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
2.450492598571003 - Time: 14.702138900756836
None
```

Graph 9

File - unknown

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
2.618419717509653 - Time: 14.480294942855835
None
```

Graph 10

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
2.0368985620604505 - Time: 9.521595239639282
None
```

Graph 11

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.824350813344246 - Time: 14.660838842391968
None
```

Graph 12

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.928146562659343 - Time: 9.671469926834106
None
```

Graph 13

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
2.6328182331980727 - Time: 10.415956974029541
None
```

Graph 14

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.640450401947703 - Time: 10.271291017532349
None
```

Graph 15

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
2.2890933628745316 - Time: 9.794994831085205
None
```

Graph 16

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
2.569843289461332 - Time: 9.814536094665527
None
```

Graph 17

```
Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
1.8604912623196768 - Time: 20.11001420021057
```

File - unknown

None

Graph 18

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
2.259898913320299 - Time: 18.834201097488403
None

Graph 19

Running 3_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_exactly_qbsolv_parallel:
2.2211219918747673 - Time: 10.637343883514404
None

Test for graphsize 4

Graph 0

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.028954843277226416 - Time: 0.7780802249908447
None

Graph 1

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.5708825220945002 - Time: 0.8692448139190674
None

Graph 2

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.00712843874983804 - Time: 0.7760822772979736
None

Graph 3

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.06152625301075432 - Time: 0.4088280200958252
None

Graph 4

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.06396917936914548 - Time: 0.3903779983520508
None

Graph 5

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:

File - unknown

0.10380144569396066 - Time: 0.4176759719848633
None

Graph 6

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.05554082850606079 - Time: 0.3948860168457031
None

Graph 7

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.038931269477402 - Time: 0.786552906036377
None

Graph 8

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.042007430425400116 - Time: 0.38980984687805176
None

Graph 9

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.0010690439865044254 - Time: 0.8161637783050537
None

Graph 10

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.2197142340515299 - Time: 0.7840216159820557
None

Graph 11

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.2770576453315883 - Time: 0.796379804611206
None

Graph 12

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.06753117632182892 - Time: 0.40680503845214844
None

Graph 13

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.01673789206527232 - Time: 0.3990640640258789
None

File - unknown

Graph 14

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.03599345154763256 - Time: 0.4222719669342041
None
```

Graph 15

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.10695262062797894 - Time: 0.7904598712921143
None
```

Graph 16

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.06090302529973002 - Time: 0.40126681327819824
None
```

Graph 17

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.37306828772501177 - Time: 0.8532528877258301
None
```

Graph 18

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.06615960564805334 - Time: 0.39665699005126953
None
```

Graph 19

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.24253747559571082 - Time: 0.38854384422302246
None
```

Test for graphsize 6

Graph 0

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.4037548984604129 - Time: 0.6920459270477295
None
```

Graph 1

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.14602401068624005 - Time: 0.6973528861999512
None
```

Graph 2

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.12639840396634128 - Time: 0.5638329982757568
None
```

Graph 3

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.1447468748308225 - Time: 0.7388129234313965
None
```

Graph 4

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.2074140190053555 - Time: 0.8182859420776367
None
```

Graph 5

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.21629539194693592 - Time: 0.6049249172210693
None
```

Graph 6

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.1032573088773745 - Time: 0.5954649448394775
None
```

Graph 7

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.08555938986791745 - Time: 0.6233611106872559
None
```

Graph 8

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.13737909873700005 - Time: 0.5388717651367188
None
```

Graph 9

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.23536312556377226 - Time: 0.5748908519744873
None
```

Graph 10

File - unknown

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.2985191363911497 - Time: 0.7761249542236328
None
```

Graph 11

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.1310541476422742 - Time: 0.5822138786315918
None
```

Graph 12

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.20825406819544412 - Time: 0.7608840465545654
None
```

Graph 13

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.2924666692276716 - Time: 0.8487968444824219
None
```

Graph 14

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.8758237641815896 - Time: 0.7559812068939209
None
```

Graph 15

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.29878868277545223 - Time: 0.8656189441680908
None
```

Graph 16

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.5885124948454461 - Time: 0.9065039157867432
None
```

Graph 17

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.19838467424926165 - Time: 0.7882599830627441
None
```

Graph 18

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
```

File - unknown

0.11297024288754187 - Time: 0.7954339981079102
None

Graph 19

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.9194011936254896 - Time: 0.7483658790588379
None

Test for graphsize 8

Graph 0

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.4037548984604129 - Time: 0.6528282165527344
None

Graph 1

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.14602401068624005 - Time: 0.7462868690490723
None

Graph 2

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.12639840396634128 - Time: 0.6742501258850098
None

Graph 3

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.1447468748308225 - Time: 0.6801912784576416
None

Graph 4

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.2074140190053555 - Time: 0.6772699356079102
None

Graph 5

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.21629539194693592 - Time: 0.7038528919219971
None

Graph 6

Running 3_split_ours_iterative_at_most_qbsolv_parallel...

File - unknown

Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.1032573088773745 - Time: 0.7171967029571533
None

Graph 7

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.08555938986791745 - Time: 0.7632520198822021
None

Graph 8

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.13737909873700005 - Time: 0.7254691123962402
None

Graph 9

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.23536312556377226 - Time: 0.6576051712036133
None

Graph 10

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.2985191363911497 - Time: 0.680387020111084
None

Graph 11

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.1310541476422742 - Time: 0.746675968170166
None

Graph 12

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.20825406819544412 - Time: 0.7656641006469727
None

Graph 13

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.2924666692276716 - Time: 0.7434971332550049
None

Graph 14

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.8758237641815896 - Time: 0.8704378604888916
None

Graph 15

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.29878868277545223 - Time: 0.8500251770019531
None
```

Graph 16

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.5885124948454461 - Time: 0.6299448013305664
None
```

Graph 17

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.19838467424926165 - Time: 0.677741289138794
None
```

Graph 18

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.11297024288754187 - Time: 0.7833800315856934
None
```

Graph 19

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.9194011936254896 - Time: 0.657844066619873
None
```

Test for graphsize 10

Graph 0

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.850779136467672 - Time: 0.6731691360473633
None
```

Graph 1

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
2.113205218829208 - Time: 0.6887750625610352
None
```

Graph 2

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.33784569217207405 - Time: 0.770205020904541
```

File - unknown

None

Graph 3

Running 3_split_ours_iterative_at_most_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.4612950977452286 - Time: 0.8361279964447021

None

Graph 4

Running 3_split_ours_iterative_at_most_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.16780273947890834 - Time: 0.7122948169708252

None

Graph 5

Running 3_split_ours_iterative_at_most_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.044044789115567 - Time: 0.7568550109863281

None

Graph 6

Running 3_split_ours_iterative_at_most_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.12039452902203607 - Time: 0.8223719596862793

None

Graph 7

Running 3_split_ours_iterative_at_most_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.726339025546757 - Time: 0.7919669151306152

None

Graph 8

Running 3_split_ours_iterative_at_most_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.652738888772592 - Time: 0.6984231472015381

None

Graph 9

Running 3_split_ours_iterative_at_most_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.3547436014939933 - Time: 0.6063268184661865

None

Graph 10

Running 3_split_ours_iterative_at_most_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.6588998527449874 - Time: 0.6769580841064453

None

File - unknown

Graph 11

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.6441125032737318 - Time: 0.6132779121398926
None

Graph 12

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.6905379099888833 - Time: 0.5638978481292725
None

Graph 13

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.2492454155493249 - Time: 0.7572150230407715
None

Graph 14

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.39705675702467147 - Time: 0.6677699089050293
None

Graph 15

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.1076973646763904 - Time: 0.658958911895752
None

Graph 16

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.5195958328469317 - Time: 0.6028001308441162
None

Graph 17

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.5224072535037649 - Time: 0.580787181854248
None

Graph 18

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.4516002911853718 - Time: 0.7330169677734375
None

Graph 19

Running 3_split_ours_iterative_at_most_qbsolv_parallel...

File- unknown

Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.8013746780583304 - Time: 0.6325991153717041
None

Test for graphsize 12

Graph 0

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.6150486301365916 - Time: 0.5822949409484863
None

Graph 1

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.082427022828277 - Time: 0.6228878498077393
None

Graph 2

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.38475651674715294 - Time: 0.7197270393371582
None

Graph 3

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.560367844286219 - Time: 0.6381750106811523
None

Graph 4

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.44488729516555026 - Time: 0.6541311740875244
None

Graph 5

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.8431061084135649 - Time: 0.6464221477508545
None

Graph 6

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.7639394580685206 - Time: 1.092904806137085
None

Graph 7

File - unknown

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.7792806079405281 - Time: 0.633540153503418
None
```

Graph 8

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.2591533310888252 - Time: 0.7914407253265381
None
```

Graph 9

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.5954578349497766 - Time: 0.60906982421875
None
```

Graph 10

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.6059122564815951 - Time: 0.7326252460479736
None
```

Graph 11

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.702289163217074 - Time: 0.6478641033172607
None
```

Graph 12

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.8736191784041978 - Time: 0.6875100135803223
None
```

Graph 13

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.6561829802817627 - Time: 0.627722978591919
None
```

Graph 14

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.4616685125603937 - Time: 0.6651730537414551
None
```

Graph 15

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.5777465750025783 - Time: 0.9393830299377441
```

File - unknown

None

Graph 16

Running 3_split_ours_iterative_at_most_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.1582704298219042 - Time: 0.7613742351531982

None

Graph 17

Running 3_split_ours_iterative_at_most_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.6098161453602629 - Time: 0.7970938682556152

None

Graph 18

Running 3_split_ours_iterative_at_most_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.2399354793810673 - Time: 0.8824560642242432

None

Graph 19

Running 3_split_ours_iterative_at_most_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
2.201714058246395 - Time: 0.8084471225738525

None

Test for graphsize 14

Graph 0

Running 3_split_ours_iterative_at_most_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.2801666702618846 - Time: 0.7022011280059814

None

Graph 1

Running 3_split_ours_iterative_at_most_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.9910337078295726 - Time: 0.3389449119567871

None

Graph 2

Running 3_split_ours_iterative_at_most_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.7896917547366726 - Time: 0.330366849899292

None

Graph 3

Running 3_split_ours_iterative_at_most_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:

File - unknown

0.32406091265609405 - Time: 0.761106014251709
None

Graph 4

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.7434000061760955 - Time: 0.34583282470703125
None

Graph 5

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.5577618317755935 - Time: 0.7718720436096191
None

Graph 6

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.8226613726159684 - Time: 0.7023661136627197
None

Graph 7

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.072236044635126 - Time: 0.3322608470916748
None

Graph 8

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.8416300286743024 - Time: 0.7143349647521973
None

Graph 9

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
2.4431815381742013 - Time: 0.8441379070281982
None

Graph 10

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.6521493604439357 - Time: 0.7308349609375
None

Graph 11

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.1170498230417039 - Time: 0.3358588218688965
None

File - unknown

Graph 12

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.6293034223394756 - Time: 0.6399827003479004
None
```

Graph 13

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.0358230118990974 - Time: 0.35308003425598145
None
```

Graph 14

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.0806199836372201 - Time: 0.6939530372619629
None
```

Graph 15

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.6937347837068302 - Time: 0.3239469528198242
None
```

Graph 16

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.8614475795839951 - Time: 0.6756670475006104
None
```

Graph 17

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.9888065387748739 - Time: 0.6511497497558594
None
```

Graph 18

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.8831225677352705 - Time: 0.679189920425415
None
```

Graph 19

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.7870756382366793 - Time: 0.7137269973754883
None
```

Test for graphsize 16

Graph 0

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.822906633005644 - Time: 5.008778095245361
None
```

Graph 1

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.02240091914733 - Time: 4.923573970794678
None
```

Graph 2

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.8919407950075495 - Time: 8.82194209098816
None
```

Graph 3

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.8449224007561682 - Time: 8.945051908493042
None
```

Graph 4

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.6262725262860229 - Time: 4.899889230728149
None
```

Graph 5

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
3.2643274461642093 - Time: 4.800332069396973
None
```

Graph 6

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.3304850667358323 - Time: 5.301965713500977
None
```

Graph 7

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.0160665942924254 - Time: 5.041987180709839
None
```

Graph 8

File - unknown

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.9121356510589749 - Time: 5.06610894203186
None
```

Graph 9

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.9543621161819686 - Time: 4.943154811859131
None
```

Graph 10

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.8229066330056085 - Time: 5.018681764602661
None
```

Graph 11

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.0224009191474863 - Time: 4.912407875061035
None
```

Graph 12

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.8919407950071729 - Time: 8.921380996704102
None
```

Graph 13

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.8449224007551734 - Time: 8.889012098312378
None
```

Graph 14

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.6262725262863498 - Time: 5.027980089187622
None
```

Graph 15

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.5325696747462771 - Time: 4.635256052017212
None
```

Graph 16

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
```


File - unknown

0.9404045759696231 - Time: 4.903757095336914
None

Graph 17

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.11076397406012 - Time: 4.922928094863892
None

Graph 18

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.333519919451696 - Time: 5.600872993469238
None

Graph 19

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.3821471550545326 - Time: 5.246912956237793
None

Test for graphsize 18

Graph 0

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.22958232134755 - Time: 8.94531774520874
None

Graph 1

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.9642698128749885 - Time: 9.908904790878296
None

Graph 2

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.7324635199480483 - Time: 12.76042890548706
None

Graph 3

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.9489845542806634 - Time: 9.11910605430603
None

Graph 4

Running 3_split_ours_iterative_at_most_qbsolv_parallel...

File - unknown

Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.5284612501546704 - Time: 9.694023847579956
None

Graph 5

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.5069596362593671 - Time: 10.384708166122437
None

Graph 6

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.4521889657959477 - Time: 10.314242124557495
None

Graph 7

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.0738307702452161 - Time: 9.20871114730835
None

Graph 8

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.9280845774882422 - Time: 8.959772109985352
None

Graph 9

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.2154281540707146 - Time: 9.230678081512451
None

Graph 10

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.4225599222920451 - Time: 4.352532863616943
None

Graph 11

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.2671337334371202 - Time: 4.780708312988281
None

Graph 12

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.550146932461665 - Time: 4.610684871673584
None

Graph 13

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.23850950742086496 - Time: 9.248242139816284
None
```

Graph 14

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.5123579767928774 - Time: 8.969828128814697
None
```

Graph 15

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.7876205949141379 - Time: 9.317108869552612
None
```

Graph 16

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.0064599804971195 - Time: 9.43156385421753
None
```

Graph 17

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.9666033216792229 - Time: 9.46011996269226
None
```

Graph 18

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.939148613571426 - Time: 9.497416257858276
None
```

Graph 19

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.8620304898268571 - Time: 10.4636070728302
None
```

Test for graphsize 20

Graph 0

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.2286198003634965 - Time: 9.269416093826294
```

File - unknown

None

Graph 1

Running 3_split_ours_iterative_at_most_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:

1.146804753056955 - Time: 9.56348180770874

None

Graph 2

Running 3_split_ours_iterative_at_most_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:

1.1055289628951073 - Time: 9.22150468826294

None

Graph 3

Running 3_split_ours_iterative_at_most_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:

0.9308740224380188 - Time: 9.558093070983887

None

Graph 4

Running 3_split_ours_iterative_at_most_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:

1.759847876834371 - Time: 9.34145998954773

None

Graph 5

Running 3_split_ours_iterative_at_most_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:

0.8329240585346938 - Time: 14.150398015975952

None

Graph 6

Running 3_split_ours_iterative_at_most_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:

1.2720059272304098 - Time: 9.332328081130981

None

Graph 7

Running 3_split_ours_iterative_at_most_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:

1.010634009675634 - Time: 9.405725955963135

None

Graph 8

Running 3_split_ours_iterative_at_most_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:

0.9555164697122933 - Time: 9.458816051483154

None

File - unknown

Graph 9

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.1140725334617159 - Time: 9.336148023605347
None

Graph 10

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.1078456778961936 - Time: 9.081657886505127
None

Graph 11

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.3901409670808889 - Time: 9.170268058776855
None

Graph 12

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.8273616108029387 - Time: 9.684235095977783
None

Graph 13

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.5096587190417594 - Time: 9.467426061630249
None

Graph 14

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.142733334196528 - Time: 9.158901929855347
None

Graph 15

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.338581728684872 - Time: 9.01014494895935
None

Graph 16

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.4018693972730745 - Time: 9.361905097961426
None

Graph 17

Running 3_split_ours_iterative_at_most_qbsolv_parallel...

File- unknown

Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.516596878262611 - Time: 9.495960235595703
None

Graph 18

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.0512632971854572 - Time: 9.976234912872314
None

Graph 19

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.7348132032658938 - Time: 9.40447998046875
None

Test for graphsize 22

Graph 0

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.3789109416829959 - Time: 9.507962226867676
None

Graph 1

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.1445445552090874 - Time: 9.792434930801392
None

Graph 2

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.1527341057839138 - Time: 9.909416913986206
None

Graph 3

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
0.8386235254101209 - Time: 9.559077978134155
None

Graph 4

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.4141131952076123 - Time: 9.637877702713013
None

Graph 5

File - unknown

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.2311338513693997 - Time: 9.815912961959839
None
```

Graph 6

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.9295166795682377 - Time: 9.47275996208191
None
```

Graph 7

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.4769895353490199 - Time: 9.417371988296509
None
```

Graph 8

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.221000462496292 - Time: 9.766372919082642
None
```

Graph 9

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.3166678866445665 - Time: 9.879370927810669
None
```

Graph 10

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.4844338943951811 - Time: 9.36173391342163
None
```

Graph 11

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.2221165947339898 - Time: 9.769376039505005
None
```

Graph 12

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.67675443249464 - Time: 9.85536789894104
None
```

Graph 13

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.7808146272583585 - Time: 9.259339094161987
```

File - unknown

None

Graph 14

Running 3_split_ours_iterative_at_most_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:

1.3645584596682312 - Time: 9.830434083938599

None

Graph 15

Running 3_split_ours_iterative_at_most_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:

1.2948763920489057 - Time: 10.009371995925903

None

Graph 16

Running 3_split_ours_iterative_at_most_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:

1.3757912013005225 - Time: 9.324784994125366

None

Graph 17

Running 3_split_ours_iterative_at_most_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:

1.108844836437882 - Time: 9.564574956893921

None

Graph 18

Running 3_split_ours_iterative_at_most_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:

1.3414015011873701 - Time: 9.800076007843018

None

Graph 19

Running 3_split_ours_iterative_at_most_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:

1.7448801101228497 - Time: 10.159993171691895

None

Test for graphsize 24

Graph 0

Running 3_split_ours_iterative_at_most_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:

1.7010052388675874 - Time: 10.44494080543518

None

Graph 1

Running 3_split_ours_iterative_at_most_qbsolv_parallel...

Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:

File - unknown

1.3886139829530038 - Time: 9.908519268035889
None

Graph 2

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.5862663420935306 - Time: 10.051144123077393
None

Graph 3

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.5924746022500145 - Time: 9.84951114654541
None

Graph 4

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.57079474839486 - Time: 9.458844900131226
None

Graph 5

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.3426834078204877 - Time: 10.034417152404785
None

Graph 6

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.4906366941049853 - Time: 9.580202102661133
None

Graph 7

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.3171557162028549 - Time: 10.145111083984375
None

Graph 8

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.62116363968439 - Time: 9.362995147705078
None

Graph 9

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.1355862586534258 - Time: 9.577636003494263
None

Graph 10

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.3721065249381823 - Time: 9.41372799873352
None
```

Graph 11

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.5708787552799706 - Time: 10.290361166000366
None
```

Graph 12

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.3241178248075869 - Time: 9.690342903137207
None
```

Graph 13

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.811060936422372 - Time: 9.579048156738281
None
```

Graph 14

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.816278325728014 - Time: 10.01335096359253
None
```

Graph 15

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.4883841820783488 - Time: 9.766506910324097
None
```

Graph 16

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.3263648141889561 - Time: 9.876634120941162
None
```

Graph 17

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.7055631245185978 - Time: 9.784732103347778
None
```

Graph 18

File - unknown

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.447440198799562 - Time: 9.70380187034607
None
```

Graph 19

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.9196240992240305 - Time: 10.419899940490723
None
```

Test for graphsize 26

Graph 0

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.9275312464485168 - Time: 9.632797241210938
None
```

Graph 1

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.9082577259881361 - Time: 10.000541925430298
None
```

Graph 2

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.5729638131652308 - Time: 9.809160947799683
None
```

Graph 3

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.9552111194626889 - Time: 9.664896965026855
None
```

Graph 4

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.5029838005635696 - Time: 9.632600784301758
None
```

Graph 5

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.4744191862071574 - Time: 9.708414077758789
None
```

Graph 6

File - unknown

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
2.1619977227798017 - Time: 9.718998908996582
None
```

Graph 7

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.6961258350955077 - Time: 9.562324047088623
None
```

Graph 8

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.7862359408452448 - Time: 10.02313494682312
None
```

Graph 9

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
2.074759205108485 - Time: 10.016748905181885
None
```

Graph 10

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.837086002332633 - Time: 10.270068883895874
None
```

Graph 11

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.2409073975555813 - Time: 10.387725830078125
None
```

Graph 12

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.6795941655149207 - Time: 9.900990962982178
None
```

Graph 13

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.9878145093575128 - Time: 10.95161509513855
None
```

Graph 14

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
```

File - unknown

1.6557715426500152 - Time: 10.449238061904907
None

Graph 15

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.9392763337633028 - Time: 9.880691051483154
None

Graph 16

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.679067250405403 - Time: 9.870917081832886
None

Graph 17

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.7729039084590497 - Time: 10.019840002059937
None

Graph 18

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
2.0167658061418194 - Time: 9.829271793365479
None

Graph 19

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
2.2023526251088157 - Time: 9.903006076812744
None

Test for graphsize 28

Graph 0

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
2.102415248660037 - Time: 9.5172278881073
None

Graph 1

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.7564689501037805 - Time: 10.022450923919678
None

Graph 2

Running 3_split_ours_iterative_at_most_qbsolv_parallel...

File - unknown

Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.9487780294415487 - Time: 10.284444808959961
None

Graph 3

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.7278676435872669 - Time: 10.136719942092896
None

Graph 4

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.9519000169963547 - Time: 10.143041133880615
None

Graph 5

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.844443706537085 - Time: 10.132338285446167
None

Graph 6

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.751562178646921 - Time: 9.827172040939331
None

Graph 7

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
2.147540277130666 - Time: 9.688863039016724
None

Graph 8

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
2.450492598571003 - Time: 10.228111028671265
None

Graph 9

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
2.632817062897253 - Time: 10.198675155639648
None

Graph 10

Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
2.0368985620604505 - Time: 10.149003028869629
None

Graph 11

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.824350813344246 - Time: 9.899441957473755
None
```

Graph 12

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.928146562659343 - Time: 9.814473867416382
None
```

Graph 13

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
2.6328182331980727 - Time: 10.533029079437256
None
```

Graph 14

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.640450401947703 - Time: 11.391059875488281
None
```

Graph 15

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
2.2890933628745316 - Time: 10.845412969589233
None
```

Graph 16

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
2.569843289461332 - Time: 10.401445865631104
None
```

Graph 17

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
1.8595852110181426 - Time: 10.215253114700317
None
```

Graph 18

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
2.2647800818577153 - Time: 9.769949197769165
None
```

Graph 19

File - unknown

```
Running 3_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 3_split_ours_iterative_at_most_qbsolv_parallel:
2.2211219918747673 - Time: 10.754554033279419
None
```

Test for graphsize 4

Graph 0

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
028954843277226416 - Time: 0.8045089244842529
None
```

Graph 1

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
5708825220945002 - Time: 0.9005241394042969
None
```

Graph 2

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
00712843874983804 - Time: 0.8257179260253906
None
```

Graph 3

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
06152625301075432 - Time: 0.40927577018737793
None
```

Graph 4

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
06396917936914548 - Time: 0.38915514945983887
None
```

Graph 5

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
10380144569396066 - Time: 0.39542198181152344
None
```

Graph 6

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
05554082850606079 - Time: 0.3896310329437256
None
```


File - unknown

Graph 7

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
038931269477402 - Time: 0.7833452224731445
None

Graph 8

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
042007430425400116 - Time: 0.3955225944519043
None

Graph 9

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
0010690439865044254 - Time: 0.830416202545166
None

Graph 10

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
2197142340515299 - Time: 0.8098568916320801
None

Graph 11

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
2770576453315883 - Time: 0.7780380249023438
None

Graph 12

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
06753117632182892 - Time: 0.40529584884643555
None

Graph 13

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
01673789206527232 - Time: 0.40256214141845703
None

Graph 14

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
03599345154763256 - Time: 0.3820040225982666
None

Graph 15

Running 3_split_GCSQ_exactly_qbsolv_parallel...

File - unknown

Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
10695262062797894 - Time: 0.827916145324707
None

Graph 16

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
06090302529973002 - Time: 0.39023685455322266
None

Graph 17

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
37306828772501177 - Time: 0.8726668357849121
None

Graph 18

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
06615960564805334 - Time: 0.3758080005645752
None

Graph 19

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
24253747559571082 - Time: 0.4116079807281494
None

Test for graphsize 6

Graph 0

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
4037548984604129 - Time: 0.482985258102417
None

Graph 1

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
14602401068624005 - Time: 0.5510039329528809
None

Graph 2

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
12639840396634128 - Time: 0.5193727016448975
None

Graph 3

File - unknown

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
1447468748308225 - Time: 0.5003178119659424
None
```

Graph 4

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
2074140190053555 - Time: 0.639746904373169
None
```

Graph 5

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
21629539194693592 - Time: 0.6234340667724609
None
```

Graph 6

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
1032573088773745 - Time: 0.5534229278564453
None
```

Graph 7

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
08555938986791745 - Time: 0.5780332088470459
None
```

Graph 8

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
13737909873700005 - Time: 0.5804967880249023
None
```

Graph 9

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
23536312556377226 - Time: 0.5394868850708008
None
```

Graph 10

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
2985191363911497 - Time: 0.6232190132141113
None
```

Graph 11

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
1310541476422742 - Time: 0.5522410869598389
```

File - unknown

None

Graph 12

Running 3_split_GCSQ_exactly_qbsolv_parallel...

Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.

20825406819544412 - Time: 0.564443826675415

None

Graph 13

Running 3_split_GCSQ_exactly_qbsolv_parallel...

Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.

2924666692276716 - Time: 0.5435850620269775

None

Graph 14

Running 3_split_GCSQ_exactly_qbsolv_parallel...

Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.

8758237641815896 - Time: 0.6622941493988037

None

Graph 15

Running 3_split_GCSQ_exactly_qbsolv_parallel...

Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.

29878868277545223 - Time: 0.7255611419677734

None

Graph 16

Running 3_split_GCSQ_exactly_qbsolv_parallel...

Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.

5885124948454461 - Time: 0.5161712169647217

None

Graph 17

Running 3_split_GCSQ_exactly_qbsolv_parallel...

Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.

19838467424926165 - Time: 0.5601348876953125

None

Graph 18

Running 3_split_GCSQ_exactly_qbsolv_parallel...

Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.

11297024288754187 - Time: 0.6160519123077393

None

Graph 19

Running 3_split_GCSQ_exactly_qbsolv_parallel...

Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.

9194011936254896 - Time: 0.5129368305206299

None

File - unknown

Test for graphsize 8

Graph 0

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
4037548984604129 - Time: 0.6187248229980469
None
```

Graph 1

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
14602401068624005 - Time: 0.49947690963745117
None
```

Graph 2

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
12639840396634128 - Time: 0.5168929100036621
None
```

Graph 3

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
1447468748308225 - Time: 0.5090208053588867
None
```

Graph 4

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
2074140190053555 - Time: 0.6257627010345459
None
```

Graph 5

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
21629539194693592 - Time: 0.6677289009094238
None
```

Graph 6

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
1032573088773745 - Time: 0.5512762069702148
None
```

Graph 7

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
08555938986791745 - Time: 0.5033469200134277
None
```

Graph 8

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
13737909873700005 - Time: 0.5302960872650146
None
```

Graph 9

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
23536312556377226 - Time: 0.5884649753570557
None
```

Graph 10

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
2985191363911497 - Time: 0.6828799247741699
None
```

Graph 11

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
1310541476422742 - Time: 0.6210918426513672
None
```

Graph 12

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
20825406819544412 - Time: 0.6946079730987549
None
```

Graph 13

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
2924666692276716 - Time: 0.5050089359283447
None
```

Graph 14

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
8758237641815896 - Time: 0.5583276748657227
None
```

Graph 15

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
29878868277545223 - Time: 0.6024489402770996
None
```

Graph 16

File - unknown

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
5885124948454461 - Time: 0.582874059677124
None
```

Graph 17

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
19838467424926165 - Time: 0.5544469356536865
None
```

Graph 18

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
11297024288754187 - Time: 0.6597609519958496
None
```

Graph 19

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
9194011936254896 - Time: 0.6594266891479492
None
```

Test for graphsize 10

Graph 0

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
850779136467672 - Time: 0.9342572689056396
None
```

Graph 1

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 2.
113205218829208 - Time: 0.7468447685241699
None
```

Graph 2

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
33784569217207405 - Time: 0.698632001876831
None
```

Graph 3

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
4612950977452286 - Time: 0.5932879447937012
None
```

Graph 4

File - unknown

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
16780273947890834 - Time: 0.6666028499603271
None
```

Graph 5

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
044044789115567 - Time: 0.5532820224761963
None
```

Graph 6

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
12039452902203607 - Time: 0.6747829914093018
None
```

Graph 7

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
726339025546757 - Time: 0.7535498142242432
None
```

Graph 8

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
652738888772592 - Time: 0.6264877319335938
None
```

Graph 9

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
3547436014939933 - Time: 0.6289401054382324
None
```

Graph 10

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
6588998527449874 - Time: 0.5862982273101807
None
```

Graph 11

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
6441125032737318 - Time: 0.6555378437042236
None
```

Graph 12

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
```


File - unknown

6905379099888833 - Time: 0.7612197399139404
None

Graph 13

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
2492454155493249 - Time: 0.937842845916748
None

Graph 14

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
39705675702467147 - Time: 0.6132199764251709
None

Graph 15

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
1076973646763904 - Time: 0.8487112522125244
None

Graph 16

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
5195958328469317 - Time: 0.6684048175811768
None

Graph 17

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
5224072535037649 - Time: 0.752223014831543
None

Graph 18

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
4516002911853718 - Time: 0.7895102500915527
None

Graph 19

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
8013746780583304 - Time: 0.5873908996582031
None

Test for graphsize 12

Graph 0

Running 3_split_GCSQ_exactly_qbsolv_parallel...

File - unknown

Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
6150486301365916 - Time: 0.9163649082183838
None

Graph 1

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
082427022828277 - Time: 0.6728711128234863
None

Graph 2

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
38475651674715294 - Time: 0.7393691539764404
None

Graph 3

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
560367844286219 - Time: 0.7176840305328369
None

Graph 4

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
44488729516555026 - Time: 0.8005383014678955
None

Graph 5

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
8431061084135649 - Time: 0.7752418518066406
None

Graph 6

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
7639394580685206 - Time: 0.6680669784545898
None

Graph 7

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
7792806079405281 - Time: 0.6596641540527344
None

Graph 8

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
2591533310888252 - Time: 0.6697728633880615
None

Graph 9

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
5954578349497766 - Time: 0.6974620819091797
None
```

Graph 10

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
6059122564815951 - Time: 0.644232988357544
None
```

Graph 11

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
702289163217074 - Time: 0.6042430400848389
None
```

Graph 12

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
8736191784041978 - Time: 0.7524988651275635
None
```

Graph 13

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
6561829802817627 - Time: 0.6853640079498291
None
```

Graph 14

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
4616685125603937 - Time: 0.692209005355835
None
```

Graph 15

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
5777465750025783 - Time: 0.6482341289520264
None
```

Graph 16

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
1582704298219042 - Time: 0.6596059799194336
None
```

Graph 17

File - unknown

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
6098161453602629 - Time: 0.7505767345428467
None
```

Graph 18

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
2399354793810673 - Time: 0.6676762104034424
None
```

Graph 19

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 2.
201714058246395 - Time: 0.42746996879577637
None
```

Test for graphsize 14

Graph 0

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
2801666702618846 - Time: 0.9280490875244141
None
```

Graph 1

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
9910337078295726 - Time: 0.45592212677001953
None
```

Graph 2

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
7896917547366726 - Time: 0.3740072250366211
None
```

Graph 3

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
32406091265609405 - Time: 1.0517799854278564
None
```

Graph 4

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
7434000061760955 - Time: 0.39301109313964844
None
```

File - unknown

Graph 5

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
5577618317755935 - Time: 0.8560519218444824
None

Graph 6

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
8226613726159684 - Time: 0.7657198905944824
None

Graph 7

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
072236044635126 - Time: 0.42005014419555664
None

Graph 8

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
8416300286743024 - Time: 0.8031160831451416
None

Graph 9

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 2.
4431815381742013 - Time: 0.7717349529266357
None

Graph 10

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
6521493604439357 - Time: 0.800325870513916
None

Graph 11

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
1170498230417039 - Time: 0.3673379421234131
None

Graph 12

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
6293034223394756 - Time: 0.6918020248413086
None

Graph 13

Running 3_split_GCSQ_exactly_qbsolv_parallel...

File- unknown

Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
0358230118990974 - Time: 0.42357611656188965
None

Graph 14

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
0806199836372201 - Time: 0.7648577690124512
None

Graph 15

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
6937347837068302 - Time: 0.38463783264160156
None

Graph 16

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
8614475795839951 - Time: 0.7863671779632568
None

Graph 17

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
9888065387748739 - Time: 0.7184722423553467
None

Graph 18

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
8831225677352705 - Time: 0.6560821533203125
None

Graph 19

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
7870756382366793 - Time: 0.7418959140777588
None

Test for graphsize 16

Graph 0

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
822906633005644 - Time: 4.902310848236084
None

Graph 1

File - unknown

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
02240091914733 - Time: 4.898755073547363
None
```

Graph 2

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
8919407950075495 - Time: 10.096177101135254
None
```

Graph 3

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
8449224007561682 - Time: 10.61259388923645
None
```

Graph 4

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
6262725262860229 - Time: 5.690782308578491
None
```

Graph 5

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 3.
2643274461642093 - Time: 4.155875205993652
None
```

Graph 6

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
3304850667358323 - Time: 5.667686939239502
None
```

Graph 7

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
0160665942924254 - Time: 5.131172180175781
None
```

Graph 8

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
9121356510589749 - Time: 4.896256923675537
None
```

Graph 9

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
9543621161819686 - Time: 5.427924871444702
```

File - unknown

None

Graph 10

Running 3_split_GCSQ_exactly_qbsolv_parallel...

Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.

8229066330056085 - Time: 5.013062953948975

None

Graph 11

Running 3_split_GCSQ_exactly_qbsolv_parallel...

Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.

0224009191474863 - Time: 4.8603010177612305

None

Graph 12

Running 3_split_GCSQ_exactly_qbsolv_parallel...

Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.

8919407950071729 - Time: 9.815747022628784

None

Graph 13

Running 3_split_GCSQ_exactly_qbsolv_parallel...

Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.

8449224007551734 - Time: 8.671676874160767

None

Graph 14

Running 3_split_GCSQ_exactly_qbsolv_parallel...

Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.

6262725262863498 - Time: 5.68941330909729

None

Graph 15

Running 3_split_GCSQ_exactly_qbsolv_parallel...

Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.

5325696747462771 - Time: 5.100877046585083

None

Graph 16

Running 3_split_GCSQ_exactly_qbsolv_parallel...

Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.

9404045759696231 - Time: 5.08292818069458

None

Graph 17

Running 3_split_GCSQ_exactly_qbsolv_parallel...

Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.

0815657970830443 - Time: 5.067622900009155

None

File - unknown

Graph 18

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
333519919451696 - Time: 5.661849737167358
None

Graph 19

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
3821471550545326 - Time: 5.020901918411255
None

Test for graphsize 18

Graph 0

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
22958232134755 - Time: 11.168662786483765
None

Graph 1

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
9642698128749885 - Time: 10.22338080406189
None

Graph 2

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
7324635199480483 - Time: 12.063910007476807
None

Graph 3

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
9489845542806634 - Time: 11.266410112380981
None

Graph 4

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
5284612501546704 - Time: 10.320139169692993
None

Graph 5

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
5069596362593671 - Time: 9.653048992156982
None

Graph 6

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
4521889657959477 - Time: 10.424911975860596
None
```

Graph 7

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
0738307702452161 - Time: 9.620366096496582
None
```

Graph 8

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
9280845774882422 - Time: 9.325509786605835
None
```

Graph 9

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
2154281540707146 - Time: 13.884698867797852
None
```

Graph 10

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
4225599222920451 - Time: 4.664292097091675
None
```

Graph 11

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
2671337334371202 - Time: 3.7831578254699707
None
```

Graph 12

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
550146932461665 - Time: 4.621631145477295
None
```

Graph 13

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
23850950742086496 - Time: 8.734430074691772
None
```

Graph 14

File - unknown

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
5123579767928774 - Time: 8.949486017227173
None
```

Graph 15

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
7876205949141379 - Time: 9.567796230316162
None
```

Graph 16

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
0064599804971195 - Time: 10.065051078796387
None
```

Graph 17

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
9666033216792229 - Time: 10.266270875930786
None
```

Graph 18

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
939148613571426 - Time: 11.35774278640747
None
```

Graph 19

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
8620304898268571 - Time: 10.76946210861206
None
```

Test for graphsize 20

Graph 0

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
2286198003634965 - Time: 10.163995742797852
None
```

Graph 1

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
146804753056955 - Time: 12.534483194351196
None
```

Graph 2

File - unknown

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
1055289628951073 - Time: 15.63130807876587
None
```

Graph 3

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
9308740224380188 - Time: 9.928409099578857
None
```

Graph 4

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
759847876834371 - Time: 9.926666975021362
None
```

Graph 5

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
8329240585346938 - Time: 16.248581171035767
None
```

Graph 6

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
2720059272304098 - Time: 9.69497299194336
None
```

Graph 7

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
010634009675634 - Time: 11.113312721252441
None
```

Graph 8

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
9555164697122933 - Time: 10.012114763259888
None
```

Graph 9

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
1140725334617159 - Time: 9.656522035598755
None
```

Graph 10

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
```

File - unknown

1086714555953918 - Time: 16.30727505683899
None

Graph 11

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
3901409670808889 - Time: 9.278239011764526
None

Graph 12

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
8273616108029387 - Time: 10.374986410140991
None

Graph 13

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
5096587190417594 - Time: 9.954377889633179
None

Graph 14

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
142733334196528 - Time: 10.196773767471313
None

Graph 15

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
338581728684872 - Time: 9.289149045944214
None

Graph 16

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
4018693972730745 - Time: 9.5119469165802
None

Graph 17

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
516596878262611 - Time: 10.044028043746948
None

Graph 18

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
0512632971854572 - Time: 11.24915885925293
None

File - unknown

Graph 19

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
7348132032658938 - Time: 10.234926223754883
None
```

Test for graphsize 22

Graph 0

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
3789109416829959 - Time: 10.96510910987854
None
```

Graph 1

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
1445445552090874 - Time: 10.719852685928345
None
```

Graph 2

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
1527341057839138 - Time: 15.832120895385742
None
```

Graph 3

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 0.
8386235254101209 - Time: 10.348377227783203
None
```

Graph 4

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
4141131952076123 - Time: 11.266753911972046
None
```

Graph 5

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
2311338513693997 - Time: 9.533604860305786
None
```

Graph 6

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
9295166795682377 - Time: 9.318532228469849
None
```

Graph 7

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
4769895353490199 - Time: 14.664693117141724
None
```

Graph 8

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
221000462496292 - Time: 10.009528875350952
None
```

Graph 9

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
3166678866445665 - Time: 10.868135929107666
None
```

Graph 10

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
4844338943951811 - Time: 15.156609058380127
None
```

Graph 11

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
2221165947339898 - Time: 11.430685043334961
None
```

Graph 12

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
67675443249464 - Time: 9.652751684188843
None
```

Graph 13

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
778020549731309 - Time: 14.713864088058472
None
```

Graph 14

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
3645584596682312 - Time: 10.382367849349976
None
```

Graph 15

File - unknown

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
2948763920489057 - Time: 10.87291431427002
None
```

Graph 16

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
3757912013005225 - Time: 10.018385171890259
None
```

Graph 17

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
108844836437882 - Time: 9.583721160888672
None
```

Graph 18

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
3414015011873701 - Time: 10.73356580734253
None
```

Graph 19

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
7448801101228497 - Time: 9.538940906524658
None
```

Test for graphsize 24

Graph 0

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
7010052388675874 - Time: 10.647256135940552
None
```

Graph 1

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
3886139829530038 - Time: 12.39905595779419
None
```

Graph 2

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
5862663420935306 - Time: 10.670444965362549
None
```


File - unknown

Graph 3

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
5920712457888229 - Time: 17.302412033081055
None

Graph 4

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
57079474839486 - Time: 10.534121990203857
None

Graph 5

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
3426834078204877 - Time: 11.067826986312866
None

Graph 6

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
4906366941049853 - Time: 10.509928941726685
None

Graph 7

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
3171557162028549 - Time: 10.947286128997803
None

Graph 8

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
62116363968439 - Time: 9.972882986068726
None

Graph 9

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
1344824494506014 - Time: 12.965226888656616
None

Graph 10

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
3721065249381823 - Time: 10.03727102279663
None

Graph 11

Running 3_split_GCSQ_exactly_qbsolv_parallel...

File - unknown

Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
5708787552799706 - Time: 10.0487060546875
None

Graph 12

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
3241178248075869 - Time: 14.931987047195435
None

Graph 13

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
811060936422372 - Time: 11.296833038330078
None

Graph 14

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
816278325728014 - Time: 9.93480896949768
None

Graph 15

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
4883841820783488 - Time: 12.947091817855835
None

Graph 16

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
3263648141889561 - Time: 10.963076114654541
None

Graph 17

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
6946591168662763 - Time: 14.43642520904541
None

Graph 18

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
447440198799562 - Time: 10.345933198928833
None

Graph 19

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
9196240992240305 - Time: 10.57538628578186
None

Test for graphsize 26

Graph 0

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
9275312464485168 - Time: 15.047157049179077
None
```

Graph 1

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
9082577259881361 - Time: 10.398616790771484
None
```

Graph 2

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
5729638131652308 - Time: 16.85770297050476
None
```

Graph 3

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
9552111194626889 - Time: 9.980901956558228
None
```

Graph 4

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
4980253640183747 - Time: 11.137129783630371
None
```

Graph 5

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
4744191862071574 - Time: 10.996872186660767
None
```

Graph 6

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 2.
1619977227798017 - Time: 10.215379238128662
None
```

Graph 7

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
6961258350955077 - Time: 14.902358055114746
```

File - unknown

None

Graph 8

Running 3_split_GCSQ_exactly_qbsolv_parallel...

Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.

7862359408452448 - Time: 15.600430011749268

None

Graph 9

Running 3_split_GCSQ_exactly_qbsolv_parallel...

Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 2.

0715227296308143 - Time: 11.149635076522827

None

Graph 10

Running 3_split_GCSQ_exactly_qbsolv_parallel...

Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.

837086002332633 - Time: 17.60067105293274

None

Graph 11

Running 3_split_GCSQ_exactly_qbsolv_parallel...

Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.

2409073975555813 - Time: 10.595189094543457

None

Graph 12

Running 3_split_GCSQ_exactly_qbsolv_parallel...

Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.

6794175267784794 - Time: 12.437637329101562

None

Graph 13

Running 3_split_GCSQ_exactly_qbsolv_parallel...

Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.

9878145093575128 - Time: 11.811339139938354

None

Graph 14

Running 3_split_GCSQ_exactly_qbsolv_parallel...

Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.

6557715426500152 - Time: 11.0353422164917

None

Graph 15

Running 3_split_GCSQ_exactly_qbsolv_parallel...

Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.

9392763337633028 - Time: 14.58757495880127

None

File - unknown

Graph 16

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
679067250405403 - Time: 11.466176986694336
None

Graph 17

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
7729039084590497 - Time: 10.630923986434937
None

Graph 18

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 2.
0167658061418194 - Time: 10.751429796218872
None

Graph 19

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 2.
2023526251088157 - Time: 10.369362115859985
None

Test for graphsize 28

Graph 0

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 2.
102415248660037 - Time: 11.552536010742188
None

Graph 1

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
7564689501037805 - Time: 14.553530216217041
None

Graph 2

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
9487780294415487 - Time: 10.437405109405518
None

Graph 3

Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
7278676435872669 - Time: 15.1617751121521
None

File - unknown

Graph 4

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
9519000169963547 - Time: 9.644936084747314
None
```

Graph 5

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
844443706537085 - Time: 10.976883172988892
None
```

Graph 6

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
751562178646921 - Time: 10.614296197891235
None
```

Graph 7

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 2.
147540277130666 - Time: 10.471853017807007
None
```

Graph 8

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 2.
450492598571003 - Time: 14.777676820755005
None
```

Graph 9

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 2.
618419717509653 - Time: 14.35238790512085
None
```

Graph 10

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 2.
0368985620604505 - Time: 11.911963701248169
None
```

Graph 11

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
824350813344246 - Time: 10.802765130996704
None
```

Graph 12

File - unknown

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
928146562659343 - Time: 10.14271593093872
None
```

Graph 13

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 2.
6328182331980727 - Time: 9.628286123275757
None
```

Graph 14

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
640450401947703 - Time: 10.668285131454468
None
```

Graph 15

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 2.
2890933628745316 - Time: 10.099027872085571
None
```

Graph 16

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 2.
569843289461332 - Time: 9.876960039138794
None
```

Graph 17

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 1.
8604912623196768 - Time: 13.333489894866943
None
```

Graph 18

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 2.
259898913320299 - Time: 14.262619018554688
None
```

Graph 19

```
Running 3_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_exactly_qbsolv_parallel: 2.
2211219918747673 - Time: 10.697147846221924
None
```

Test for graphsize 4

Graph 0

File - unknown

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
028954843277226416 - Time: 0.788651704788208
None

Graph 1

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
5708825220945002 - Time: 0.8557920455932617
None

Graph 2

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
00712843874983804 - Time: 0.7859640121459961
None

Graph 3

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
06152625301075432 - Time: 0.3881669044494629
None

Graph 4

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
06396917936914548 - Time: 0.3950650691986084
None

Graph 5

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
10380144569396066 - Time: 0.3959469795227051
None

Graph 6

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
05554082850606079 - Time: 0.3853609561920166
None

Graph 7

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
038931269477402 - Time: 0.8012189865112305
None

Graph 8

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.

File - unknown

042007430425400116 - Time: 0.42716217041015625
None

Graph 9

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
0010690439865044254 - Time: 0.8046891689300537
None

Graph 10

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
2197142340515299 - Time: 0.7970929145812988
None

Graph 11

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
2770576453315883 - Time: 0.8457391262054443
None

Graph 12

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
06753117632182892 - Time: 0.38829588890075684
None

Graph 13

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
01673789206527232 - Time: 0.3856661319732666
None

Graph 14

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
03599345154763256 - Time: 0.3878941535949707
None

Graph 15

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
10695262062797894 - Time: 0.7888257503509521
None

Graph 16

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
06090302529973002 - Time: 0.40079188346862793
None

File - unknown

Graph 17

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
37306828772501177 - Time: 0.8447279930114746
None
```

Graph 18

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
06615960564805334 - Time: 0.39144015312194824
None
```

Graph 19

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
24253747559571082 - Time: 0.38555908203125
None
```

Test for graphsize 6

Graph 0

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
4037548984604129 - Time: 0.652493953704834
None
```

Graph 1

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
14602401068624005 - Time: 0.5708751678466797
None
```

Graph 2

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
12639840396634128 - Time: 0.6198160648345947
None
```

Graph 3

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
1447468748308225 - Time: 0.6560089588165283
None
```

Graph 4

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
2074140190053555 - Time: 0.6565721035003662
None
```

Graph 5

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
21629539194693592 - Time: 0.6211268901824951
None
```

Graph 6

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
1032573088773745 - Time: 0.6503880023956299
None
```

Graph 7

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
08555938986791745 - Time: 0.5571672916412354
None
```

Graph 8

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
13737909873700005 - Time: 0.6201820373535156
None
```

Graph 9

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
23536312556377226 - Time: 0.6126258373260498
None
```

Graph 10

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
2985191363911497 - Time: 0.6590089797973633
None
```

Graph 11

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
1310541476422742 - Time: 0.5749480724334717
None
```

Graph 12

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
20825406819544412 - Time: 0.8803629875183105
None
```

Graph 13

File - unknown

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
2924666692276716 - Time: 0.6911282539367676
None
```

Graph 14

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
8758237641815896 - Time: 0.768214225769043
None
```

Graph 15

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
29878868277545223 - Time: 0.9332029819488525
None
```

Graph 16

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
5885124948454461 - Time: 0.8195397853851318
None
```

Graph 17

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
19838467424926165 - Time: 0.6508471965789795
None
```

Graph 18

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
11297024288754187 - Time: 0.66168212890625
None
```

Graph 19

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
9194011936254896 - Time: 0.5972437858581543
None
```

Test for graphsize 8

Graph 0

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
4037548984604129 - Time: 0.5741989612579346
None
```

File - unknown

Graph 1

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
14602401068624005 - Time: 0.5810339450836182
None

Graph 2

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
12639840396634128 - Time: 0.5957608222961426
None

Graph 3

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
1447468748308225 - Time: 0.5393588542938232
None

Graph 4

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
2074140190053555 - Time: 0.6272072792053223
None

Graph 5

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
21629539194693592 - Time: 0.7930810451507568
None

Graph 6

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
1032573088773745 - Time: 0.5954077243804932
None

Graph 7

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
08555938986791745 - Time: 0.5738122463226318
None

Graph 8

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
13737909873700005 - Time: 0.6334841251373291
None

Graph 9

Running 3_split_GCSQ_at_most_qbsolv_parallel...

File - unknown

Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
23536312556377226 - Time: 0.5285420417785645
None

Graph 10

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
2985191363911497 - Time: 0.5728139877319336
None

Graph 11

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
1310541476422742 - Time: 0.5836317539215088
None

Graph 12

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
20825406819544412 - Time: 0.787376880645752
None

Graph 13

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
2924666692276716 - Time: 0.5642199516296387
None

Graph 14

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
8758237641815896 - Time: 0.638037919998169
None

Graph 15

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
29878868277545223 - Time: 0.7276651859283447
None

Graph 16

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
5885124948454461 - Time: 0.7208430767059326
None

Graph 17

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
19838467424926165 - Time: 0.6621639728546143
None

Graph 18

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
11297024288754187 - Time: 0.6590070724487305
None
```

Graph 19

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
9194011936254896 - Time: 0.6649830341339111
None
```

Test for graphsize 10

Graph 0

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
850779136467672 - Time: 0.9737520217895508
None
```

Graph 1

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 2.
113205218829208 - Time: 0.6654729843139648
None
```

Graph 2

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
33784569217207405 - Time: 0.6328167915344238
None
```

Graph 3

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
4612950977452286 - Time: 0.6694622039794922
None
```

Graph 4

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
11687777057419169 - Time: 0.660653829574585
None
```

Graph 5

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
044044789115567 - Time: 0.5851871967315674
```

File - unknown

None

Graph 6

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
12039452902203607 - Time: 0.6122190952301025
None

Graph 7

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
726339025546757 - Time: 0.6604058742523193
None

Graph 8

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
652738888772592 - Time: 0.6238179206848145
None

Graph 9

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
3547436014939933 - Time: 0.9469749927520752
None

Graph 10

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
6063086754511247 - Time: 1.0619268417358398
None

Graph 11

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
6441125032737318 - Time: 0.5779697895050049
None

Graph 12

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
2794641277100922 - Time: 0.6815779209136963
None

Graph 13

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
2492454155493249 - Time: 0.5672850608825684
None

File - unknown

Graph 14

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
39705675702467147 - Time: 0.5882718563079834
None

Graph 15

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
1076973646763904 - Time: 0.9095501899719238
None

Graph 16

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
5195958328469317 - Time: 0.6832489967346191
None

Graph 17

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
5224072535037649 - Time: 0.5544488430023193
None

Graph 18

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
4516002911853718 - Time: 0.5794200897216797
None

Graph 19

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
8013746780583304 - Time: 0.6140270233154297
None

Test for graphsize 12

Graph 0

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
6150486301365916 - Time: 0.8891129493713379
None

Graph 1

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
082427022828277 - Time: 0.627662181854248
None

Graph 2

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
38475651674715294 - Time: 0.6209378242492676
None

Graph 3

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
560367844286219 - Time: 0.6855490207672119
None

Graph 4

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
44488729516555026 - Time: 0.7777562141418457
None

Graph 5

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
8431061084135649 - Time: 0.8230199813842773
None

Graph 6

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
7639394580685206 - Time: 0.6321101188659668
None

Graph 7

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
7792806079405281 - Time: 0.7060089111328125
None

Graph 8

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
2591533310888252 - Time: 0.6630380153656006
None

Graph 9

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
5954578349497766 - Time: 0.7010087966918945
None

Graph 10

File - unknown

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
6059122564815951 - Time: 0.6981189250946045
None
```

Graph 11

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
702289163217074 - Time: 0.6373488903045654
None
```

Graph 12

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
8736191784041978 - Time: 0.7413349151611328
None
```

Graph 13

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
6561829802817627 - Time: 0.6320481300354004
None
```

Graph 14

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
4616685125603937 - Time: 0.7297520637512207
None
```

Graph 15

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
5777465750025783 - Time: 0.6899070739746094
None
```

Graph 16

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
1582704298219042 - Time: 0.7521860599517822
None
```

Graph 17

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
6098161453602629 - Time: 0.6533021926879883
None
```

Graph 18

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
2399354793810673 - Time: 0.6344010829925537
```

File - unknown

None

Graph 19

Running 3_split_GCSQ_at_most_qbsolv_parallel...

Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 2.

201714058246395 - Time: 0.8258681297302246

None

Test for graphsize 14

Graph 0

Running 3_split_GCSQ_at_most_qbsolv_parallel...

Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.

2801666702618846 - Time: 0.764136791229248

None

Graph 1

Running 3_split_GCSQ_at_most_qbsolv_parallel...

Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.

9910337078295726 - Time: 0.3991222381591797

None

Graph 2

Running 3_split_GCSQ_at_most_qbsolv_parallel...

Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.

7896917547366726 - Time: 0.3937959671020508

None

Graph 3

Running 3_split_GCSQ_at_most_qbsolv_parallel...

Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.

32406091265609405 - Time: 0.7219052314758301

None

Graph 4

Running 3_split_GCSQ_at_most_qbsolv_parallel...

Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.

7434000061760955 - Time: 0.39889001846313477

None

Graph 5

Running 3_split_GCSQ_at_most_qbsolv_parallel...

Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.

5577618317755935 - Time: 0.7338850498199463

None

Graph 6

Running 3_split_GCSQ_at_most_qbsolv_parallel...

Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.

File - unknown

8226613726159684 - Time: 0.7659869194030762
None

Graph 7

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
072236044635126 - Time: 0.4039459228515625
None

Graph 8

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
8416300286743024 - Time: 0.7024891376495361
None

Graph 9

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 2.
4431815381742013 - Time: 0.7604598999023438
None

Graph 10

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
6521493604439357 - Time: 0.7667660713195801
None

Graph 11

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
1170498230417039 - Time: 0.4169309139251709
None

Graph 12

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
6293034223394756 - Time: 0.6896839141845703
None

Graph 13

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
0358230118990974 - Time: 0.5027420520782471
None

Graph 14

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
0806199836372201 - Time: 0.7015130519866943
None

File - unknown

Graph 15

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
6937347837068302 - Time: 0.3903181552886963
None
```

Graph 16

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
8614475795839951 - Time: 0.7235589027404785
None
```

Graph 17

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
9888065387748739 - Time: 0.6505708694458008
None
```

Graph 18

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
8831225677352705 - Time: 0.7862222194671631
None
```

Graph 19

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
7870756382366793 - Time: 0.6884210109710693
None
```

Test for graphsize 16

Graph 0

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
822906633005644 - Time: 4.64362096786499
None
```

Graph 1

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
02240091914733 - Time: 4.732058048248291
None
```

Graph 2

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
8919407950075495 - Time: 9.752254962921143
None
```

Graph 3

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
5612410766959286 - Time: 4.614471912384033
None
```

Graph 4

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
6262725262860229 - Time: 4.6024980545043945
None
```

Graph 5

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 3.
2643274461642093 - Time: 4.8848631381988525
None
```

Graph 6

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
3304850667358323 - Time: 4.952294111251831
None
```

Graph 7

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
0160665942924254 - Time: 4.9503419399261475
None
```

Graph 8

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
9121356510589749 - Time: 5.225811958312988
None
```

Graph 9

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
9543621161819686 - Time: 4.918852090835571
None
```

Graph 10

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
8229066330056085 - Time: 4.7435290813446045
None
```

Graph 11

File - unknown

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
0224009191474863 - Time: 4.757586240768433
None
```

Graph 12

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
8919407950071729 - Time: 9.922032117843628
None
```

Graph 13

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
5612410766953246 - Time: 4.73760724067688
None
```

Graph 14

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
6262725262863498 - Time: 4.667302846908569
None
```

Graph 15

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
5325696747462771 - Time: 4.754432916641235
None
```

Graph 16

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
9404045759696231 - Time: 4.470170974731445
None
```

Graph 17

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
0815657970830443 - Time: 4.755949020385742
None
```

Graph 18

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
333519919451696 - Time: 4.967814922332764
None
```

Graph 19

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
```


File - unknown

3821471550545326 - Time: 4.982539892196655
None

Test for graphsize 18

Graph 0

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
22958232134755 - Time: 12.094517946243286
None

Graph 1

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
9642698128749885 - Time: 10.3799889087677
None

Graph 2

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
7324635199480483 - Time: 13.28125786781311
None

Graph 3

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
9489845542806634 - Time: 13.174311876296997
None

Graph 4

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
5284612501546704 - Time: 11.428079843521118
None

Graph 5

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
4472017538578399 - Time: 9.742527961730957
None

Graph 6

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
4521889657959477 - Time: 10.654681205749512
None

Graph 7

Running 3_split_GCSQ_at_most_qbsolv_parallel...

File - unknown

Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
0738307702452161 - Time: 9.73653507232666
None

Graph 8

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
9280845774882422 - Time: 10.978816032409668
None

Graph 9

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
2154281540707146 - Time: 15.834808826446533
None

Graph 10

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
4225599222920451 - Time: 5.103327989578247
None

Graph 11

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
2671337334371202 - Time: 4.863378047943115
None

Graph 12

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
550146932461665 - Time: 3.534331798553467
None

Graph 13

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
23850950742086496 - Time: 9.426979064941406
None

Graph 14

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
5123579767928774 - Time: 8.999035835266113
None

Graph 15

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
7876205949141379 - Time: 9.830340147018433
None

Graph 16

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
0064599804971195 - Time: 10.402461767196655
None
```

Graph 17

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
9666033216792229 - Time: 7.955561876296997
None
```

Graph 18

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
939148613571426 - Time: 12.733343362808228
None
```

Graph 19

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
8367335977549857 - Time: 9.551445007324219
None
```

Test for graphsize 20

Graph 0

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
2286198003634965 - Time: 10.369373083114624
None
```

Graph 1

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
146804753056955 - Time: 14.271159172058105
None
```

Graph 2

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
1055289628951073 - Time: 15.35088300704956
None
```

Graph 3

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
9308740224380188 - Time: 10.68504810333252
```

File - unknown

None

Graph 4

Running 3_split_GCSQ_at_most_qbsolv_parallel...

Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.

759847876834371 - Time: 10.248503923416138

None

Graph 5

Running 3_split_GCSQ_at_most_qbsolv_parallel...

Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.

8329240585346938 - Time: 14.606091976165771

None

Graph 6

Running 3_split_GCSQ_at_most_qbsolv_parallel...

Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.

1225920299782786 - Time: 10.404608011245728

None

Graph 7

Running 3_split_GCSQ_at_most_qbsolv_parallel...

Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.

010634009675634 - Time: 10.709844827651978

None

Graph 8

Running 3_split_GCSQ_at_most_qbsolv_parallel...

Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.

9555164697122933 - Time: 9.385733842849731

None

Graph 9

Running 3_split_GCSQ_at_most_qbsolv_parallel...

Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.

1140725334617159 - Time: 10.229687690734863

None

Graph 10

Running 3_split_GCSQ_at_most_qbsolv_parallel...

Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.

637644989065663 - Time: 5.598075866699219

None

Graph 11

Running 3_split_GCSQ_at_most_qbsolv_parallel...

Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.

3901409670808889 - Time: 9.58387565612793

None

File - unknown

Graph 12

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
8273616108029387 - Time: 12.400837182998657
None

Graph 13

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
5096587190417594 - Time: 9.357279062271118
None

Graph 14

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
142733334196528 - Time: 10.479205131530762
None

Graph 15

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
338581728684872 - Time: 10.554009914398193
None

Graph 16

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
4018693972730745 - Time: 10.852640867233276
None

Graph 17

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
516596878262611 - Time: 11.172772884368896
None

Graph 18

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
0512632971854572 - Time: 10.942554235458374
None

Graph 19

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
7348132032658938 - Time: 10.297753095626831
None

Test for graphsize 22

File - unknown

Graph 0

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
1460945154662525 - Time: 9.295436143875122
None

Graph 1

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
1445445552090874 - Time: 11.874965190887451
None

Graph 2

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
1527341057839138 - Time: 16.98348593711853
None

Graph 3

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
8216137144361468 - Time: 9.714524030685425
None

Graph 4

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
4141131952076123 - Time: 12.501470804214478
None

Graph 5

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
2311338513693997 - Time: 12.315395832061768
None

Graph 6

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
8993361125891326 - Time: 10.63399863243103
None

Graph 7

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
4769895353490199 - Time: 9.568011999130249
None

Graph 8

File - unknown

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
221000462496292 - Time: 10.210038185119629
None
```

Graph 9

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
1680404260433903 - Time: 10.86192798614502
None
```

Graph 10

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
0045028770231923 - Time: 5.432386875152588
None
```

Graph 11

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
2221165947339898 - Time: 11.146428108215332
None
```

Graph 12

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
67675443249464 - Time: 10.164560079574585
None
```

Graph 13

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
778020549731309 - Time: 14.752838850021362
None
```

Graph 14

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
3645584596682312 - Time: 11.098480701446533
None
```

Graph 15

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
2948763920489057 - Time: 10.953116178512573
None
```

Graph 16

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
3112265951911724 - Time: 10.088162899017334
```

File - unknown

None

Graph 17

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
108844836437882 - Time: 9.248745203018188
None

Graph 18

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
3414015011873701 - Time: 11.663076162338257
None

Graph 19

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
7448801101228497 - Time: 10.92930006980896
None

Test for graphsize 24

Graph 0

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
7010052388675874 - Time: 10.523011207580566
None

Graph 1

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
3886139829530038 - Time: 10.516162872314453
None

Graph 2

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
198788351719685 - Time: 16.196906089782715
None

Graph 3

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
5920712457888229 - Time: 17.193650007247925
None

Graph 4

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.

File - unknown

57079474839486 - Time: 10.151786804199219
None

Graph 5

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
3426834078204877 - Time: 11.950744152069092
None

Graph 6

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
4906366941049853 - Time: 10.408207178115845
None

Graph 7

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
3171557162028549 - Time: 11.484580993652344
None

Graph 8

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
62116363968439 - Time: 10.15761923789978
None

Graph 9

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
1344824494506014 - Time: 11.064787864685059
None

Graph 10

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
3721065249381823 - Time: 10.76632308959961
None

Graph 11

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
5708787552799706 - Time: 10.524724006652832
None

Graph 12

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
3241178248075869 - Time: 12.399797201156616
None

File - unknown

Graph 13

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
811060936422372 - Time: 10.661548137664795
None
```

Graph 14

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
816278325728014 - Time: 11.013927936553955
None
```

Graph 15

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
4883841820783488 - Time: 9.948639154434204
None
```

Graph 16

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 0.
9083523985759143 - Time: 10.358082056045532
None
```

Graph 17

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
6946591168662763 - Time: 14.544017314910889
None
```

Graph 18

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
447440198799562 - Time: 10.601725816726685
None
```

Graph 19

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
8848175083666376 - Time: 10.740279197692871
None
```

Test for graphsize 26

Graph 0

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
8949445828401963 - Time: 10.364005327224731
None
```

Graph 1

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
9082577259881361 - Time: 10.979859113693237
None
```

Graph 2

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
5729638131652308 - Time: 16.116190910339355
None
```

Graph 3

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
9552111194626889 - Time: 12.230656147003174
None
```

Graph 4

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
4980253640183747 - Time: 11.039534091949463
None
```

Graph 5

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
4744191862071574 - Time: 10.816641092300415
None
```

Graph 6

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 2.
1619977227798017 - Time: 9.630460023880005
None
```

Graph 7

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
6961258350955077 - Time: 15.669541835784912
None
```

Graph 8

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
7862359408452448 - Time: 15.767019987106323
None
```

Graph 9

File - unknown

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 2.
074759205108485 - Time: 10.273101091384888
None
```

Graph 10

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
837086002332633 - Time: 15.099608898162842
None
```

Graph 11

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
240907397555813 - Time: 10.072504997253418
None
```

Graph 12

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
6794175267784794 - Time: 10.517157077789307
None
```

Graph 13

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
9713741990044937 - Time: 9.965505123138428
None
```

Graph 14

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
6557715426500152 - Time: 11.927140951156616
None
```

Graph 15

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
9392763337633028 - Time: 10.43090009689331
None
```

Graph 16

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
679067250405403 - Time: 10.151430130004883
None
```

Graph 17

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
```

File - unknown

7729039084590497 - Time: 11.297553062438965
None

Graph 18

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
94071205229843 - Time: 10.704533815383911
None

Graph 19

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 2.
2023526251088157 - Time: 10.314029932022095
None

Test for graphsize 28

Graph 0

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 2.
102415248660037 - Time: 10.326542854309082
None

Graph 1

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
7564689501037805 - Time: 12.042030096054077
None

Graph 2

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
9487780294415487 - Time: 10.250694036483765
None

Graph 3

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
7278676435872669 - Time: 10.522086143493652
None

Graph 4

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
9519000169963547 - Time: 9.784076929092407
None

Graph 5

Running 3_split_GCSQ_at_most_qbsolv_parallel...

File - unknown

Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
844443706537085 - Time: 10.234019994735718
None

Graph 6

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
751562178646921 - Time: 10.695777893066406
None

Graph 7

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 2.
147540277130666 - Time: 10.1092689037323
None

Graph 8

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 2.
450492598571003 - Time: 16.111193895339966
None

Graph 9

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 2.
618419717509653 - Time: 15.598424911499023
None

Graph 10

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 2.
0368985620604505 - Time: 10.780839920043945
None

Graph 11

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
824350813344246 - Time: 10.1790189743042
None

Graph 12

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
8465934888184563 - Time: 11.173201084136963
None

Graph 13

Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 2.
443438495511323 - Time: 9.871394872665405
None

Graph 14

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
5605449668856437 - Time: 10.25775694847107
None
```

Graph 15

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 2.
2382389356448016 - Time: 11.685017108917236
None
```

Graph 16

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 2.
569843289461332 - Time: 12.589885950088501
None
```

Graph 17

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 1.
8604912623196768 - Time: 15.683747053146362
None
```

Graph 18

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 2.
259898913320299 - Time: 15.13576602935791
None
```

Graph 19

```
Running 3_split_GCSQ_at_most_qbsolv_parallel...
Coalition structure value for 3_split_GCSQ_at_most_qbsolv_parallel: 2.
13806478317035 - Time: 11.557106018066406
None
```

Test for graphsize 4

Graph 0

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
028954843277226416 - Time: 0.9633278846740723
None
```

Graph 1

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
5708825220945002 - Time: 1.0029489994049072
```

File - unknown

None

Graph 2

Running 3_split_R_QUB0-iterative_qbsolv_parallel...

Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
00712843874983804 - Time: 0.964728832244873

None

Graph 3

Running 3_split_R_QUB0-iterative_qbsolv_parallel...

Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
06152625301075432 - Time: 0.4833648204803467

None

Graph 4

Running 3_split_R_QUB0-iterative_qbsolv_parallel...

Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
06396917936914548 - Time: 0.5269389152526855

None

Graph 5

Running 3_split_R_QUB0-iterative_qbsolv_parallel...

Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
10380144569396066 - Time: 0.48824405670166016

None

Graph 6

Running 3_split_R_QUB0-iterative_qbsolv_parallel...

Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
05554082850606079 - Time: 0.5161280632019043

None

Graph 7

Running 3_split_R_QUB0-iterative_qbsolv_parallel...

Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
038931269477402 - Time: 0.9794087409973145

None

Graph 8

Running 3_split_R_QUB0-iterative_qbsolv_parallel...

Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
042007430425400116 - Time: 0.48691511154174805

None

Graph 9

Running 3_split_R_QUB0-iterative_qbsolv_parallel...

Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
0010690439865044254 - Time: 0.9958279132843018

None

File - unknown

Graph 10

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
2197142340515299 - Time: 0.9588727951049805
None

Graph 11

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
2770576453315883 - Time: 0.9653971195220947
None

Graph 12

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
06753117632182892 - Time: 0.4795949459075928
None

Graph 13

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
01673789206527232 - Time: 0.4778609275817871
None

Graph 14

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
03599345154763256 - Time: 0.5486681461334229
None

Graph 15

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
10695262062797894 - Time: 0.9928600788116455
None

Graph 16

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
06090302529973002 - Time: 0.5016160011291504
None

Graph 17

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
37306828772501177 - Time: 1.0206809043884277
None

Graph 18

Running 3_split_R_QUB0-iterative_qbsolv_parallel...

File- unknown

Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
06615960564805334 - Time: 0.4761791229248047
None

Graph 19

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
24253747559571082 - Time: 0.500525712966919
None

Test for graphsize 6

Graph 0

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
4037548984604129 - Time: 0.7937180995941162
None

Graph 1

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
14602401068624005 - Time: 0.8665437698364258
None

Graph 2

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
12639840396634128 - Time: 0.8777799606323242
None

Graph 3

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
1447468748308225 - Time: 0.8963789939880371
None

Graph 4

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
2074140190053555 - Time: 0.8863828182220459
None

Graph 5

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
21629539194693592 - Time: 0.8918023109436035
None

Graph 6

File - unknown

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
1032573088773745 - Time: 0.7829761505126953
None
```

Graph 7

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
08555938986791745 - Time: 0.8079471588134766
None
```

Graph 8

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
13737909873700005 - Time: 0.80088210105896
None
```

Graph 9

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
23536312556377226 - Time: 0.804110050201416
None
```

Graph 10

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
2985191363911497 - Time: 0.9257009029388428
None
```

Graph 11

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
1310541476422742 - Time: 0.8796529769897461
None
```

Graph 12

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
20825406819544412 - Time: 0.8254263401031494
None
```

Graph 13

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
2924666692276716 - Time: 0.893280029296875
None
```

Graph 14

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
8758237641815896 - Time: 0.8812680244445801
```

File - unknown

None

Graph 15

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
29878868277545223 - Time: 0.8955459594726562
None

Graph 16

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
5885124948454461 - Time: 0.8297290802001953
None

Graph 17

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
19838467424926165 - Time: 0.8785374164581299
None

Graph 18

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
11297024288754187 - Time: 0.8984189033508301
None

Graph 19

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
9194011936254896 - Time: 0.784498929977417
None

Test for graphsize 8

Graph 0

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
4037548984604129 - Time: 0.6209521293640137
None

Graph 1

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
14602401068624005 - Time: 0.5977122783660889
None

Graph 2

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.

File - unknown

12639840396634128 - Time: 0.7205419540405273
None

Graph 3

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
1447468748308225 - Time: 0.5982811450958252
None

Graph 4

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
2074140190053555 - Time: 0.5860540866851807
None

Graph 5

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
21629539194693592 - Time: 0.6719889640808105
None

Graph 6

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
1032573088773745 - Time: 0.5651311874389648
None

Graph 7

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
08555938986791745 - Time: 0.6803112030029297
None

Graph 8

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
13737909873700005 - Time: 0.5585148334503174
None

Graph 9

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
23536312556377226 - Time: 0.6877429485321045
None

Graph 10

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
2985191363911497 - Time: 0.5177710056304932
None

Graph 11

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
1310541476422742 - Time: 0.6062910556793213
None

Graph 12

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
20825406819544412 - Time: 0.5945241451263428
None

Graph 13

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
2924666692276716 - Time: 0.6118259429931641
None

Graph 14

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
8758237641815896 - Time: 0.6901040077209473
None

Graph 15

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
29878868277545223 - Time: 0.8338160514831543
None

Graph 16

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
5885124948454461 - Time: 0.5881941318511963
None

Graph 17

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
19838467424926165 - Time: 0.6067240238189697
None

Graph 18

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
11297024288754187 - Time: 0.667290210723877
None

Graph 19

File - unknown

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
9194011936254896 - Time: 0.6096808910369873
None
```

Test for graphsize 10

Graph 0

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
850779136467672 - Time: 0.7585060596466064
None
```

Graph 1

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 2.
113205218829208 - Time: 0.49034690856933594
None
```

Graph 2

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
33784569217207405 - Time: 0.6318819522857666
None
```

Graph 3

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
4612950977452286 - Time: 0.775048017501831
None
```

Graph 4

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
16780273947890834 - Time: 0.6109211444854736
None
```

Graph 5

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
044044789115567 - Time: 0.5494179725646973
None
```

Graph 6

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
12039452902203607 - Time: 0.8854930400848389
None
```

Graph 7

File - unknown

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
726339025546757 - Time: 0.5162341594696045
None
```

Graph 8

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
652738888772592 - Time: 0.495136022567749
None
```

Graph 9

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
3547436014939933 - Time: 0.6078441143035889
None
```

Graph 10

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
6588998527449874 - Time: 0.518186092376709
None
```

Graph 11

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
6441125032737318 - Time: 0.4843440055847168
None
```

Graph 12

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
6905379099888833 - Time: 1.0916779041290283
None
```

Graph 13

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
2492454155493249 - Time: 0.6047179698944092
None
```

Graph 14

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
39705675702467147 - Time: 0.5296492576599121
None
```

Graph 15

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
```


File - unknown

1076973646763904 - Time: 0.8160970211029053
None

Graph 16

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
5195958328469317 - Time: 0.5098049640655518
None

Graph 17

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
5224072535037649 - Time: 0.4805440902709961
None

Graph 18

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
4516002911853718 - Time: 0.5559098720550537
None

Graph 19

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
8013746780583304 - Time: 0.5082559585571289
None

Test for graphsize 12

Graph 0

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
6150486301365916 - Time: 0.5635850429534912
None

Graph 1

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
082427022828277 - Time: 0.513667106628418
None

Graph 2

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
38475651674715294 - Time: 0.5668392181396484
None

Graph 3

Running 3_split_R_QUB0-iterative_qbsolv_parallel...

File- unknown

Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
560367844286219 - Time: 0.5061969757080078
None

Graph 4

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
44488729516555026 - Time: 0.642380952835083
None

Graph 5

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
8431061084135649 - Time: 0.531909704208374
None

Graph 6

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
7639394580685206 - Time: 0.624906063079834
None

Graph 7

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
7792806079405281 - Time: 0.5494780540466309
None

Graph 8

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
2591533310888252 - Time: 0.5666770935058594
None

Graph 9

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
5954578349497766 - Time: 0.570504903793335
None

Graph 10

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
6059122564815951 - Time: 0.5032691955566406
None

Graph 11

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
702289163217074 - Time: 0.49629998207092285
None

Graph 12

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
8736191784041978 - Time: 0.5306010246276855
None
```

Graph 13

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
6561829802817627 - Time: 0.5842397212982178
None
```

Graph 14

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
4616685125603937 - Time: 0.5866260528564453
None
```

Graph 15

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
5777465750025783 - Time: 0.5585217475891113
None
```

Graph 16

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
1582704298219042 - Time: 0.5422079563140869
None
```

Graph 17

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
6098161453602629 - Time: 0.5450098514556885
None
```

Graph 18

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
2399354793810673 - Time: 0.6033170223236084
None
```

Graph 19

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 2.
201714058246395 - Time: 0.5045680999755859
None
```

File - unknown

Test for graphsize 14

Graph 0

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
2801666702618846 - Time: 0.5176901817321777
None

Graph 1

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
9910337078295726 - Time: 0.33548879623413086
None

Graph 2

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
7896917547366726 - Time: 0.2538580894470215
None

Graph 3

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
32406091265609405 - Time: 0.6594748497009277
None

Graph 4

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
7434000061760955 - Time: 0.3253030776977539
None

Graph 5

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
5577618317755935 - Time: 0.5507907867431641
None

Graph 6

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
8226613726159684 - Time: 0.5583858489990234
None

Graph 7

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
072236044635126 - Time: 0.2512078285217285
None

File - unknown

Graph 8

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
8416300286743024 - Time: 0.5982542037963867
None

Graph 9

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 2.
4431815381742013 - Time: 0.6388669013977051
None

Graph 10

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
6521493604439357 - Time: 0.5434341430664062
None

Graph 11

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
1170498230417039 - Time: 0.2673351764678955
None

Graph 12

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
6293034223394756 - Time: 0.538581132888794
None

Graph 13

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
0358230118990974 - Time: 0.26979827880859375
None

Graph 14

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
0806199836372201 - Time: 0.5404689311981201
None

Graph 15

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
6937347837068302 - Time: 0.3068220615386963
None

Graph 16

Running 3_split_R_QUB0-iterative_qbsolv_parallel...

File- unknown

Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
8614475795839951 - Time: 0.538494348526001
None

Graph 17

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
9888065387748739 - Time: 0.5008971691131592
None

Graph 18

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
8831225677352705 - Time: 0.5235986709594727
None

Graph 19

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
7870756382366793 - Time: 0.5377039909362793
None

Test for graphsize 16

Graph 0

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
822906633005644 - Time: 0.5786788463592529
None

Graph 1

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
02240091914733 - Time: 0.60561203956604
None

Graph 2

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
8919407950075495 - Time: 0.567558765411377
None

Graph 3

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
8449224007561682 - Time: 0.5531017780303955
None

Graph 4

File - unknown

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
6262725262860229 - Time: 0.6717150211334229
None
```

Graph 5

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 3.
2643274461642093 - Time: 0.619574785232544
None
```

Graph 6

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
3304850667358323 - Time: 0.5977013111114502
None
```

Graph 7

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
0160665942924254 - Time: 0.5901010036468506
None
```

Graph 8

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
9121356510589749 - Time: 0.5915677547454834
None
```

Graph 9

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
9543621161819686 - Time: 0.638098955154419
None
```

Graph 10

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
8229066330056085 - Time: 0.5725481510162354
None
```

Graph 11

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
0224009191474863 - Time: 0.5821037292480469
None
```

Graph 12

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
8919407950071729 - Time: 0.5589320659637451
```

File - unknown

None

Graph 13

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
8449224007551734 - Time: 0.5694642066955566
None

Graph 14

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
6262725262863498 - Time: 0.6834087371826172
None

Graph 15

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
5325696747462771 - Time: 0.6149601936340332
None

Graph 16

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
9404045759696231 - Time: 0.5586850643157959
None

Graph 17

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
0815657970830443 - Time: 0.5910229682922363
None

Graph 18

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
333519919451696 - Time: 0.5822350978851318
None

Graph 19

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
3821471550545326 - Time: 0.5831058025360107
None

Test for graphsize 18

Graph 0

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.

File - unknown

22958232134755 - Time: 0.7511332035064697
None

Graph 1

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
9642698128749885 - Time: 0.6559309959411621
None

Graph 2

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
7324635199480483 - Time: 0.6607649326324463
None

Graph 3

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
9489845542806634 - Time: 0.8032791614532471
None

Graph 4

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
5284612501546704 - Time: 0.722477912902832
None

Graph 5

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
5069596362593671 - Time: 0.7180149555206299
None

Graph 6

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
4521889657959477 - Time: 0.8305070400238037
None

Graph 7

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
0738307702452161 - Time: 0.7947089672088623
None

Graph 8

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
9280845774882422 - Time: 0.6515598297119141
None

File - unknown

Graph 9

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
204437433946751 - Time: 0.9611189365386963
None
```

Graph 10

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
4225599222920451 - Time: 0.3141019344329834
None
```

Graph 11

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
2671337334371202 - Time: 0.2995951175689697
None
```

Graph 12

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
550146932461665 - Time: 0.3009459972381592
None
```

Graph 13

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
23850950742086496 - Time: 0.6799111366271973
None
```

Graph 14

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
5123579767928774 - Time: 0.6256930828094482
None
```

Graph 15

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
7876205949141379 - Time: 0.6216340065002441
None
```

Graph 16

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
0064599804971195 - Time: 0.6081640720367432
None
```

Graph 17

File - unknown

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
9666033216792229 - Time: 0.604607343673706
None
```

Graph 18

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
939148613571426 - Time: 0.6884961128234863
None
```

Graph 19

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
8620304898268571 - Time: 0.8895838260650635
None
```

Test for graphsize 20

Graph 0

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
2286198003634965 - Time: 0.7287859916687012
None
```

Graph 1

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
146804753056955 - Time: 0.9020240306854248
None
```

Graph 2

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
1055289628951073 - Time: 1.0435972213745117
None
```

Graph 3

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
9308740224380188 - Time: 0.7608709335327148
None
```

Graph 4

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
759847876834371 - Time: 0.7204158306121826
None
```

Graph 5

File - unknown

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
8329240585346938 - Time: 1.4065852165222168
None

Graph 6

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
2720059272304098 - Time: 1.1510887145996094
None

Graph 7

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
010634009675634 - Time: 1.0180070400238037
None

Graph 8

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
9555164697122933 - Time: 1.283545732498169
None

Graph 9

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
1140725334617159 - Time: 1.5297491550445557
None

Graph 10

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
1086714555953918 - Time: 1.8584399223327637
None

Graph 11

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
3901409670808889 - Time: 0.7644000053405762
None

Graph 12

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
8273616108029387 - Time: 0.6233639717102051
None

Graph 13

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.

File - unknown

5096587190417594 - Time: 0.6342778205871582
None

Graph 14

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
142733334196528 - Time: 0.6722681522369385
None

Graph 15

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
338581728684872 - Time: 0.6067690849304199
None

Graph 16

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
4018693972730745 - Time: 0.7400228977203369
None

Graph 17

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
516596878262611 - Time: 0.5897829532623291
None

Graph 18

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
0512632971854572 - Time: 0.7854752540588379
None

Graph 19

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
7348132032658938 - Time: 0.7348291873931885
None

Test for graphsize 22

Graph 0

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
3789109416829959 - Time: 0.6738131046295166
None

Graph 1

Running 3_split_R_QUB0-iterative_qbsolv_parallel...

File- unknown

Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
1445445552090874 - Time: 0.719506025314331
None

Graph 2

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
1527341057839138 - Time: 1.1645190715789795
None

Graph 3

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 0.
8386235254101209 - Time: 0.7943501472473145
None

Graph 4

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
4141131952076123 - Time: 0.7937028408050537
None

Graph 5

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
2311338513693997 - Time: 0.626521110534668
None

Graph 6

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
9295166795682377 - Time: 0.6091060638427734
None

Graph 7

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
4769895353490199 - Time: 0.6252949237823486
None

Graph 8

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
221000462496292 - Time: 0.6152899265289307
None

Graph 9

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
3166678866445665 - Time: 0.6375150680541992
None

Graph 10

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
4844338943951811 - Time: 1.1161727905273438
None
```

Graph 11

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
2221165947339898 - Time: 0.6386640071868896
None
```

Graph 12

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
67675443249464 - Time: 0.6621150970458984
None
```

Graph 13

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
778020549731309 - Time: 1.001974105834961
None
```

Graph 14

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
3645584596682312 - Time: 0.6942400932312012
None
```

Graph 15

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
2948763920489057 - Time: 0.7064318656921387
None
```

Graph 16

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
3757912013005225 - Time: 0.6702232360839844
None
```

Graph 17

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
108844836437882 - Time: 0.7063822746276855
None
```

Graph 18

File - unknown

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
3414015011873701 - Time: 0.790503978729248
None
```

Graph 19

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
7448801101228497 - Time: 0.6364071369171143
None
```

Test for graphsize 24

Graph 0

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
7010052388675874 - Time: 8.557661294937134
None
```

Graph 1

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
3886139829530038 - Time: 9.496580839157104
None
```

Graph 2

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
5862663420935306 - Time: 9.198179721832275
None
```

Graph 3

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
5920712457888229 - Time: 13.4495849609375
None
```

Graph 4

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
57079474839486 - Time: 9.803617000579834
None
```

Graph 5

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
3426834078204877 - Time: 10.407317876815796
None
```


File - unknown

Graph 6

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
4906366941049853 - Time: 5.815890312194824
None

Graph 7

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
3171557162028549 - Time: 5.612492799758911
None

Graph 8

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
62116363968439 - Time: 4.222766160964966
None

Graph 9

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
1344824494506014 - Time: 9.099645853042603
None

Graph 10

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
3721065249381823 - Time: 9.136155843734741
None

Graph 11

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
5708787552799706 - Time: 9.928275108337402
None

Graph 12

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
3241178248075869 - Time: 10.035435914993286
None

Graph 13

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
811060936422372 - Time: 8.719087839126587
None

Graph 14

Running 3_split_R_QUB0-iterative_qbsolv_parallel...

File- unknown

Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
816278325728014 - Time: 8.422584056854248
None

Graph 15

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
4883841820783488 - Time: 4.793612957000732
None

Graph 16

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
3263648141889561 - Time: 9.392573356628418
None

Graph 17

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
6946591168662763 - Time: 13.56199336051941
None

Graph 18

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
447440198799562 - Time: 9.080328941345215
None

Graph 19

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
9196240992240305 - Time: 8.027729272842407
None

Test for graphsize 26

Graph 0

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
9275312464485168 - Time: 9.147616863250732
None

Graph 1

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
9082577259881361 - Time: 8.935690879821777
None

Graph 2

File - unknown

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
5729638131652308 - Time: 12.903112888336182
None
```

Graph 3

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
9552111194626889 - Time: 8.343210935592651
None
```

Graph 4

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
4980253640183747 - Time: 9.27654504776001
None
```

Graph 5

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
4744191862071574 - Time: 8.274041652679443
None
```

Graph 6

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 2.
1619977227798017 - Time: 8.03444504737854
None
```

Graph 7

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
6961258350955077 - Time: 13.19324779510498
None
```

Graph 8

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
7862359408452448 - Time: 12.246781826019287
None
```

Graph 9

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 2.
074759205108485 - Time: 8.562870025634766
None
```

Graph 10

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
837086002332633 - Time: 13.86366319656372
```

File - unknown

None

Graph 11

Running 3_split_R_QUB0-iterative_qbsolv_parallel...

Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
2409073975555813 - Time: 9.624151945114136

None

Graph 12

Running 3_split_R_QUB0-iterative_qbsolv_parallel...

Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
6794175267784794 - Time: 8.946094989776611

None

Graph 13

Running 3_split_R_QUB0-iterative_qbsolv_parallel...

Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
9878145093575128 - Time: 8.738919019699097

None

Graph 14

Running 3_split_R_QUB0-iterative_qbsolv_parallel...

Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
6557715426500152 - Time: 9.875735998153687

None

Graph 15

Running 3_split_R_QUB0-iterative_qbsolv_parallel...

Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
9392763337633028 - Time: 8.768011093139648

None

Graph 16

Running 3_split_R_QUB0-iterative_qbsolv_parallel...

Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
679067250405403 - Time: 8.73218297958374

None

Graph 17

Running 3_split_R_QUB0-iterative_qbsolv_parallel...

Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
7729039084590497 - Time: 8.827218055725098

None

Graph 18

Running 3_split_R_QUB0-iterative_qbsolv_parallel...

Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 2.
0167658061418194 - Time: 9.241808891296387

None

File - unknown

Graph 19

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 2.
2023526251088157 - Time: 8.003198862075806
None
```

Test for graphsize 28

Graph 0

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 2.
102415248660037 - Time: 8.467703104019165
None
```

Graph 1

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
7564689501037805 - Time: 9.153073787689209
None
```

Graph 2

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
9487780294415487 - Time: 8.632069826126099
None
```

Graph 3

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
7278676435872669 - Time: 9.59626293182373
None
```

Graph 4

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
9519000169963547 - Time: 9.171608209609985
None
```

Graph 5

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
844443706537085 - Time: 9.023661613464355
None
```

Graph 6

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
751562178646921 - Time: 9.292941093444824
None
```

File - unknown

Graph 7

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 2.
147540277130666 - Time: 8.294443845748901
None

Graph 8

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 2.
450492598571003 - Time: 13.64344596862793
None

Graph 9

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 2.
618419717509653 - Time: 12.720525026321411
None

Graph 10

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 2.
0368985620604505 - Time: 8.81895899772644
None

Graph 11

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
824350813344246 - Time: 9.343707084655762
None

Graph 12

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
928146562659343 - Time: 8.980396032333374
None

Graph 13

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 2.
6328182331980727 - Time: 8.85466480255127
None

Graph 14

Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
640450401947703 - Time: 9.765754222869873
None

Graph 15

File - unknown

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 2.
2890933628745316 - Time: 9.325715065002441
None
```

Graph 16

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 2.
569843289461332 - Time: 8.735008001327515
None
```

Graph 17

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 1.
8604912623196768 - Time: 12.816154956817627
None
```

Graph 18

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 2.
259898913320299 - Time: 12.877822160720825
None
```

Graph 19

```
Running 3_split_R_QUB0-iterative_qbsolv_parallel...
Coalition structure value for 3_split_R_QUB0-iterative_qbsolv_parallel: 2.
2211219918747673 - Time: 9.36596393585205
None
Done running tests for k-split algorithms with qbsolv in True mode for k=3.
Created directory: results/eon_data/quantum/qbsolv/parallel/k=4
```

Test for graphsize 4

Graph 0

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.028954843277226416 - Time: 0.49846696853637695
None
```

Graph 1

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.5708825220945002 - Time: 0.6547417640686035
None
```

Graph 2

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.00712843874983804 - Time: 0.5392959117889404
None
```

Graph 3

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.06152625301075432 - Time: 0.25192999839782715
None
```

Graph 4

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.06396917936914548 - Time: 0.24674415588378906
None
```

Graph 5

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.10380144569396066 - Time: 0.2436227798461914
None
```

Graph 6

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.05554082850606079 - Time: 0.22789406776428223
None
```

Graph 7

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.038931269477402 - Time: 0.504511833190918
None
```

Graph 8

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.042007430425400116 - Time: 0.22764205932617188
None
```

Graph 9

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.0010690439865044254 - Time: 0.680211067199707
None
```

Graph 10

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.2197142340515299 - Time: 0.5549499988555908
None
```

Graph 11

File - unknown

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.2770576453315883 - Time: 0.563148021697998
None
```

Graph 12

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.06753117632182892 - Time: 0.23880720138549805
None
```

Graph 13

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.01673789206527232 - Time: 0.2323911190032959
None
```

Graph 14

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.03599345154763256 - Time: 0.24389386177062988
None
```

Graph 15

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.10695262062797894 - Time: 0.507483959197998
None
```

Graph 16

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.06090302529973002 - Time: 0.2462918758392334
None
```

Graph 17

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.37306828772501177 - Time: 0.6812338829040527
None
```

Graph 18

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.06615960564805334 - Time: 0.23831391334533691
None
```

Graph 19

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.24253747559571082 - Time: 0.2408277988433838
```

File - unknown

None

Test for graphsize 6

Graph 0

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.4037548984604129 - Time: 0.5188701152801514
None

Graph 1

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.14602401068624005 - Time: 0.49370694160461426
None

Graph 2

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.12639840396634128 - Time: 0.4782438278198242
None

Graph 3

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.1447468748308225 - Time: 0.4903299808502197
None

Graph 4

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.2074140190053555 - Time: 0.5683379173278809
None

Graph 5

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.21629539194693592 - Time: 0.5470402240753174
None

Graph 6

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.1032573088773745 - Time: 0.6113090515136719
None

Graph 7

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:

File - unknown

0.08555938986791745 - Time: 0.6374998092651367
None

Graph 8

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.13737909873700005 - Time: 0.5314779281616211
None

Graph 9

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.23536312556377226 - Time: 0.5929598808288574
None

Graph 10

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.2985191363911497 - Time: 0.5811939239501953
None

Graph 11

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.1310541476422742 - Time: 0.49579501152038574
None

Graph 12

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.20825406819544412 - Time: 0.6447858810424805
None

Graph 13

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.2924666692276716 - Time: 0.7040691375732422
None

Graph 14

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.8758237641815896 - Time: 0.5139307975769043
None

Graph 15

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.29878868277545223 - Time: 0.46813416481018066
None

File - unknown

Graph 16

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.5885124948454461 - Time: 0.5473051071166992
None
```

Graph 17

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.19838467424926165 - Time: 0.5999932289123535
None
```

Graph 18

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.11297024288754187 - Time: 0.6477036476135254
None
```

Graph 19

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.9194011936254896 - Time: 0.46908998489379883
None
```

Test for graphsize 8

Graph 0

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.4037548984604129 - Time: 0.5759670734405518
None
```

Graph 1

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.14602401068624005 - Time: 0.5292479991912842
None
```

Graph 2

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.12639840396634128 - Time: 0.5247189998626709
None
```

Graph 3

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.1447468748308225 - Time: 0.5285928249359131
None
```

Graph 4

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.2074140190053555 - Time: 0.529609203338623
None
```

Graph 5

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.21629539194693592 - Time: 0.5653808116912842
None
```

Graph 6

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.1032573088773745 - Time: 0.5605709552764893
None
```

Graph 7

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.08555938986791745 - Time: 0.6575000286102295
None
```

Graph 8

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.13737909873700005 - Time: 0.5942690372467041
None
```

Graph 9

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.23536312556377226 - Time: 0.662693977355957
None
```

Graph 10

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.2985191363911497 - Time: 0.5930931568145752
None
```

Graph 11

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.1310541476422742 - Time: 0.5797569751739502
None
```

Graph 12

File - unknown

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.20825406819544412 - Time: 0.5186398029327393
None
```

Graph 13

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.2924666692276716 - Time: 0.7867107391357422
None
```

Graph 14

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.8758237641815896 - Time: 0.5640389919281006
None
```

Graph 15

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.29878868277545223 - Time: 0.4973170757293701
None
```

Graph 16

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.5885124948454461 - Time: 0.5313940048217773
None
```

Graph 17

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.19838467424926165 - Time: 0.5996618270874023
None
```

Graph 18

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.11297024288754187 - Time: 0.6342329978942871
None
```

Graph 19

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.9194011936254896 - Time: 0.52254319190979
None
```

Test for graphsize 10

File - unknown

Graph 0

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.850779136467672 - Time: 0.6426341533660889
None

Graph 1

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
2.113205218829208 - Time: 0.7502787113189697
None

Graph 2

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.33784569217207405 - Time: 0.6078121662139893
None

Graph 3

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.4612950977452286 - Time: 0.5578010082244873
None

Graph 4

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.16780273947890834 - Time: 0.7030060291290283
None

Graph 5

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.044044789115567 - Time: 0.6359198093414307
None

Graph 6

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.12039452902203607 - Time: 0.6700658798217773
None

Graph 7

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.726339025546757 - Time: 0.5737009048461914
None

Graph 8

Running 4_split_ours_iterative_exactly_qbsolv_parallel...

File- unknown

Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.652738888772592 - Time: 0.679854154586792
None

Graph 9

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.3547436014939933 - Time: 0.588007926940918
None

Graph 10

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.6588998527449874 - Time: 0.6004390716552734
None

Graph 11

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.6441125032737318 - Time: 0.6062319278717041
None

Graph 12

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.6905379099888833 - Time: 0.6370987892150879
None

Graph 13

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.2492454155493249 - Time: 0.6243710517883301
None

Graph 14

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.39705675702467147 - Time: 0.7283618450164795
None

Graph 15

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.1076973646763904 - Time: 0.703005313873291
None

Graph 16

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.5195958328469317 - Time: 0.6639909744262695
None

Graph 17

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.5224072535037649 - Time: 0.6033861637115479
None
```

Graph 18

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.4516002911853718 - Time: 0.6861181259155273
None
```

Graph 19

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.8013746780583304 - Time: 0.67966628074646
None
```

Test for graphsize 12

Graph 0

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.6150486301365916 - Time: 5.880168914794922
None
```

Graph 1

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.082427022828277 - Time: 5.865712881088257
None
```

Graph 2

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.38475651674715294 - Time: 4.77478289604187
None
```

Graph 3

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.560367844286219 - Time: 4.8300700187683105
None
```

Graph 4

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.44488729516555026 - Time: 9.406704902648926
```

File - unknown

None

Graph 5

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.8431061084135649 - Time: 5.132965803146362
None

Graph 6

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.7639394580685206 - Time: 4.376288652420044
None

Graph 7

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.7792806079405281 - Time: 5.516051292419434
None

Graph 8

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.2591533310888252 - Time: 3.3600869178771973
None

Graph 9

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.5954578349497766 - Time: 4.386938810348511
None

Graph 10

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.6059122564815951 - Time: 5.232849836349487
None

Graph 11

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.702289163217074 - Time: 4.606752634048462
None

Graph 12

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.8736191784041978 - Time: 5.229712724685669
None

File - unknown

Graph 13

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.6561829802817627 - Time: 4.623126983642578
None

Graph 14

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.4616685125603937 - Time: 4.889604091644287
None

Graph 15

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.5777465750025783 - Time: 4.380589008331299
None

Graph 16

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.1582704298219042 - Time: 4.599987030029297
None

Graph 17

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.6098161453602629 - Time: 4.340981960296631
None

Graph 18

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.2399354793810673 - Time: 6.280915021896362
None

Graph 19

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
2.201714058246395 - Time: 3.5001440048217773
None

Test for graphsize 14

Graph 0

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.2801666702618846 - Time: 8.22863221168518
None

Graph 1

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.9910337078295726 - Time: 4.183081865310669
None
```

Graph 2

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.7896917547366726 - Time: 4.200438022613525
None
```

Graph 3

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.32406091265609405 - Time: 8.61353874206543
None
```

Graph 4

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.7434000061760955 - Time: 4.18838095664978
None
```

Graph 5

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.5577618317755935 - Time: 7.856869697570801
None
```

Graph 6

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.8226613726159684 - Time: 8.94696307182312
None
```

Graph 7

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.072236044635126 - Time: 4.097456932067871
None
```

Graph 8

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.8416300286743024 - Time: 8.99916696548462
None
```

Graph 9

File - unknown

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
2.4431815381742013 - Time: 8.484308004379272
None
```

Graph 10

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.6521493604439357 - Time: 9.14444613456726
None
```

Graph 11

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.1170498230417039 - Time: 4.159130811691284
None
```

Graph 12

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.6293034223394756 - Time: 8.803353786468506
None
```

Graph 13

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.0358230118990974 - Time: 4.181842088699341
None
```

Graph 14

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.0806199836372201 - Time: 9.139159679412842
None
```

Graph 15

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.6937347837068302 - Time: 4.244656801223755
None
```

Graph 16

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.8614475795839951 - Time: 8.631485939025879
None
```

Graph 17

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.9888065387748739 - Time: 8.70908808708191
```

File - unknown

None

Graph 18

Running 4_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.8831225677352705 - Time: 8.847984790802002

None

Graph 19

Running 4_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.7870756382366793 - Time: 8.845378160476685

None

Test for graphsize 16

Graph 0

Running 4_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.822906633005644 - Time: 8.969835996627808

None

Graph 1

Running 4_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.02240091914733 - Time: 9.059720039367676

None

Graph 2

Running 4_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.8919407950075495 - Time: 8.956995010375977

None

Graph 3

Running 4_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.8449224007561682 - Time: 9.04547381401062

None

Graph 4

Running 4_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.6262725262860229 - Time: 8.65745210647583

None

Graph 5

Running 4_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:

File - unknown

3.2643274461642093 - Time: 8.76616883277893
None

Graph 6

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.3304850667358323 - Time: 9.341415166854858
None

Graph 7

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.0160665942924254 - Time: 8.762580156326294
None

Graph 8

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.9121356510589749 - Time: 10.183517932891846
None

Graph 9

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.9543621161819686 - Time: 9.870297908782959
None

Graph 10

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.8229066330056085 - Time: 9.83625864982605
None

Graph 11

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.0224009191474863 - Time: 9.99353313446045
None

Graph 12

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.8919407950071729 - Time: 10.051660060882568
None

Graph 13

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.8449224007551734 - Time: 9.759483814239502
None

File - unknown

Graph 14

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.6262725262863498 - Time: 9.887712001800537
None
```

Graph 15

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.5325696747462771 - Time: 8.998052835464478
None
```

Graph 16

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.9404045759696231 - Time: 10.52176809310913
None
```

Graph 17

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.11076397406012 - Time: 9.883817911148071
None
```

Graph 18

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.333519919451696 - Time: 10.451732158660889
None
```

Graph 19

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.3821471550545326 - Time: 9.863811016082764
None
```

Test for graphsize 18

Graph 0

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.22958232134755 - Time: 9.973846197128296
None
```

Graph 1

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.9642698128749885 - Time: 12.4581618309021
None
```


Graph 2

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.7324635199480483 - Time: 10.188328981399536
None
```

Graph 3

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.9489845542806634 - Time: 10.642005920410156
None
```

Graph 4

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.5284612501546704 - Time: 9.889065980911255
None
```

Graph 5

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.5069596362593671 - Time: 9.697012186050415
None
```

Graph 6

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.4521889657959477 - Time: 10.404390096664429
None
```

Graph 7

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.0738307702452161 - Time: 9.688441276550293
None
```

Graph 8

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.9280845774882422 - Time: 11.09180212020874
None
```

Graph 9

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.2154281540707146 - Time: 14.431735038757324
None
```

Graph 10

File - unknown

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.4225599222920451 - Time: 4.8008129596710205
None
```

Graph 11

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.2671337334371202 - Time: 4.671100854873657
None
```

Graph 12

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.550146932461665 - Time: 4.987245082855225
None
```

Graph 13

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.23850950742086496 - Time: 10.837281703948975
None
```

Graph 14

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.5123579767928774 - Time: 10.487637996673584
None
```

Graph 15

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.7876205949141379 - Time: 9.413660287857056
None
```

Graph 16

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.0064599804971195 - Time: 9.94411587715149
None
```

Graph 17

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.9666033216792229 - Time: 10.009853839874268
None
```

Graph 18

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
```

File - unknown

0.939148613571426 - Time: 9.900454998016357
None

Graph 19

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.8620304898268571 - Time: 9.91012191772461
None

Test for graphsize 20

Graph 0

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.2286198003634965 - Time: 9.160508871078491
None

Graph 1

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.146804753056955 - Time: 9.879574060440063
None

Graph 2

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.1055289628951073 - Time: 9.544988870620728
None

Graph 3

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.9308740224380188 - Time: 9.282633066177368
None

Graph 4

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.759847876834371 - Time: 10.047767162322998
None

Graph 5

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.8329240585346938 - Time: 9.84339714050293
None

Graph 6

Running 4_split_ours_iterative_exactly_qbsolv_parallel...

File - unknown

Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.2720059272304098 - Time: 9.81307601928711
None

Graph 7

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.010634009675634 - Time: 10.610812902450562
None

Graph 8

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.9555164697122933 - Time: 10.157051086425781
None

Graph 9

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.1140725334617159 - Time: 10.15333604812622
None

Graph 10

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.1086714555953918 - Time: 9.667764902114868
None

Graph 11

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.3901409670808889 - Time: 9.304779052734375
None

Graph 12

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.8273616108029387 - Time: 10.297826051712036
None

Graph 13

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.5096587190417594 - Time: 10.389451026916504
None

Graph 14

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.142733334196528 - Time: 10.502830982208252
None

Graph 15

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.338581728684872 - Time: 10.426240921020508
None
```

Graph 16

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.4018693972730745 - Time: 10.459473133087158
None
```

Graph 17

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.516596878262611 - Time: 9.784121036529541
None
```

Graph 18

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.0512632971854572 - Time: 10.03888201713562
None
```

Graph 19

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.7348132032658938 - Time: 9.880741119384766
None
```

Test for graphsize 22

Graph 0

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.3789109416829959 - Time: 9.514158010482788
None
```

Graph 1

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.1445445552090874 - Time: 9.366290807723999
None
```

Graph 2

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.1527341057839138 - Time: 10.06401515007019
```

File - unknown

None

Graph 3

Running 4_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
0.8386235254101209 - Time: 9.591686725616455

None

Graph 4

Running 4_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.4141131952076123 - Time: 10.233595132827759

None

Graph 5

Running 4_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.2311338513693997 - Time: 9.800897121429443

None

Graph 6

Running 4_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.9295166795682377 - Time: 10.068259954452515

None

Graph 7

Running 4_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.4769895353490199 - Time: 9.938362121582031

None

Graph 8

Running 4_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.221000462496292 - Time: 9.116466999053955

None

Graph 9

Running 4_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.3166678866445665 - Time: 9.590804100036621

None

Graph 10

Running 4_split_ours_iterative_exactly_qbsolv_parallel...

Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.4844338943951811 - Time: 10.14300274848938

None

File - unknown

Graph 11

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.2221165947339898 - Time: 10.016934871673584
None

Graph 12

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.67675443249464 - Time: 9.532997131347656
None

Graph 13

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.7808146272583585 - Time: 10.404771089553833
None

Graph 14

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.3645584596682312 - Time: 9.33712100982666
None

Graph 15

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.2948763920489057 - Time: 10.108852863311768
None

Graph 16

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.3757912013005225 - Time: 9.700376033782959
None

Graph 17

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.108844836437882 - Time: 9.62236499786377
None

Graph 18

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.3414015011873701 - Time: 9.620666027069092
None

Graph 19

Running 4_split_ours_iterative_exactly_qbsolv_parallel...

File - unknown

Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.7448801101228497 - Time: 9.572885036468506
None

Test for graphsize 24

Graph 0

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.7010052388675874 - Time: 18.173951387405396
None

Graph 1

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.3886139829530038 - Time: 17.757226943969727
None

Graph 2

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.5862663420935306 - Time: 22.623528003692627
None

Graph 3

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.5924746022500145 - Time: 14.415313243865967
None

Graph 4

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.57079474839486 - Time: 17.011054039001465
None

Graph 5

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.3426834078204877 - Time: 18.35451889038086
None

Graph 6

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.4906366941049853 - Time: 14.081584930419922
None

Graph 7

File - unknown

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.3171557162028549 - Time: 14.991737842559814
None
```

Graph 8

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.62116363968439 - Time: 15.501243829727173
None
```

Graph 9

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.1355862586534258 - Time: 14.2311851978302
None
```

Graph 10

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.3721065249381823 - Time: 17.430007934570312
None
```

Graph 11

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.5708787552799706 - Time: 22.224324226379395
None
```

Graph 12

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.3241178248075869 - Time: 18.837892770767212
None
```

Graph 13

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.811060936422372 - Time: 17.2833251953125
None
```

Graph 14

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.816278325728014 - Time: 21.044859170913696
None
```

Graph 15

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.4883841820783488 - Time: 14.396827220916748
```

File - unknown

None

Graph 16

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.3263648141889561 - Time: 18.735472917556763
None

Graph 17

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.7055631245185978 - Time: 14.804092168807983
None

Graph 18

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.447440198799562 - Time: 18.57198715209961
None

Graph 19

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.9196240992240305 - Time: 20.384276151657104
None

Test for graphsize 26

Graph 0

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.9275312464485168 - Time: 26.245602130889893
None

Graph 1

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.9082577259881361 - Time: 18.660677194595337
None

Graph 2

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.5729638131652308 - Time: 39.354700803756714
None

Graph 3

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:

File - unknown

1.9552111194626889 - Time: 19.174959182739258
None

Graph 4

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.5029838005635696 - Time: 19.138901948928833
None

Graph 5

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.4744191862071574 - Time: 18.936332941055298
None

Graph 6

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
2.1619977227798017 - Time: 18.797725915908813
None

Graph 7

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.6961258350955077 - Time: 18.37266206741333
None

Graph 8

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.7862359408452448 - Time: 18.44568705558777
None

Graph 9

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
2.074759205108485 - Time: 19.963474988937378
None

Graph 10

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.837086002332633 - Time: 18.852921724319458
None

Graph 11

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.2409073975555813 - Time: 20.520071029663086
None

File - unknown

Graph 12

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.6795941655149207 - Time: 18.857100009918213
None
```

Graph 13

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.9878145093575128 - Time: 26.37918210029602
None
```

Graph 14

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.6557715426500152 - Time: 20.426099061965942
None
```

Graph 15

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.9392763337633028 - Time: 20.697118043899536
None
```

Graph 16

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.679067250405403 - Time: 17.910839080810547
None
```

Graph 17

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.7729039084590497 - Time: 18.98337197303772
None
```

Graph 18

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
2.0167658061418194 - Time: 17.694907903671265
None
```

Graph 19

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
2.2023526251088157 - Time: 19.187297105789185
None
```

Test for graphsize 28

Graph 0

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
2.102415248660037 - Time: 20.55209493637085
None
```

Graph 1

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.7564689501037805 - Time: 23.755726099014282
None
```

Graph 2

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.9487780294415487 - Time: 30.603044748306274
None
```

Graph 3

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.7179668452536632 - Time: 20.155557870864868
None
```

Graph 4

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.9519000169963547 - Time: 18.770966053009033
None
```

Graph 5

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.8286629976481734 - Time: 27.366190195083618
None
```

Graph 6

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.751562178646921 - Time: 19.116274118423462
None
```

Graph 7

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
2.147540277130666 - Time: 19.98988103866577
None
```

Graph 8

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
2.450492598571003 - Time: 26.102679014205933
None
```

Graph 9

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
2.632817062897253 - Time: 18.16655113128662
None
```

Graph 10

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
2.0368985620604505 - Time: 17.95209789276123
None
```

Graph 11

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.824350813344246 - Time: 18.494535207748413
None
```

Graph 12

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.928146562659343 - Time: 19.485294818878174
None
```

Graph 13

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
2.6328182331980727 - Time: 19.860737085342407
None
```

Graph 14

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.640450401947703 - Time: 21.2444589138031
None
```

Graph 15

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
2.2890933628745316 - Time: 18.90127730369568
None
```

Graph 16

```
Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
```

File - unknown

2.569843289461332 - Time: 18.617695093154907
None

Graph 17

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
1.8604912623196768 - Time: 19.979815006256104
None

Graph 18

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
2.2661988687358203 - Time: 19.91293692588806
None

Graph 19

Running 4_split_ours_iterative_exactly_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_exactly_qbsolv_parallel:
2.2211219918747673 - Time: 19.705480813980103
None

Test for graphsize 4

Graph 0

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.028954843277226416 - Time: 0.5906679630279541
None

Graph 1

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.5708825220945002 - Time: 0.7905771732330322
None

Graph 2

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.00712843874983804 - Time: 0.8505082130432129
None

Graph 3

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.06152625301075432 - Time: 0.24518895149230957
None

Graph 4

Running 4_split_ours_iterative_at_most_qbsolv_parallel...

File- unknown

Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.06396917936914548 - Time: 0.24693608283996582
None

Graph 5

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.10380144569396066 - Time: 0.25298500061035156
None

Graph 6

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.05554082850606079 - Time: 0.27866601943969727
None

Graph 7

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.038931269477402 - Time: 0.757744312286377
None

Graph 8

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.042007430425400116 - Time: 0.304502010345459
None

Graph 9

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.0010690439865044254 - Time: 0.787869930267334
None

Graph 10

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.2197142340515299 - Time: 0.7344000339508057
None

Graph 11

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.2770576453315883 - Time: 0.6504671573638916
None

Graph 12

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.06753117632182892 - Time: 0.2558779716491699
None

File - unknown

Graph 13

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.01673789206527232 - Time: 0.287308931350708
None
```

Graph 14

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.03599345154763256 - Time: 0.29982614517211914
None
```

Graph 15

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.10695262062797894 - Time: 0.716515064239502
None
```

Graph 16

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.06090302529973002 - Time: 0.2686769962310791
None
```

Graph 17

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.37306828772501177 - Time: 0.8814780712127686
None
```

Graph 18

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.06615960564805334 - Time: 0.2532467842102051
None
```

Graph 19

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.24253747559571082 - Time: 0.26515722274780273
None
```

Test for graphsize 6

Graph 0

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.4037548984604129 - Time: 0.7937390804290771
```

File - unknown

None

Graph 1

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.14602401068624005 - Time: 0.6875126361846924
None

Graph 2

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.12639840396634128 - Time: 0.6086897850036621
None

Graph 3

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.1447468748308225 - Time: 0.7600769996643066
None

Graph 4

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.2074140190053555 - Time: 0.7756040096282959
None

Graph 5

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.21629539194693592 - Time: 0.6817672252655029
None

Graph 6

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.1032573088773745 - Time: 0.6050951480865479
None

Graph 7

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.08555938986791745 - Time: 0.7505853176116943
None

Graph 8

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.13737909873700005 - Time: 0.6302099227905273
None

File - unknown

Graph 9

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.23536312556377226 - Time: 0.7036221027374268
None

Graph 10

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.2985191363911497 - Time: 0.730158805847168
None

Graph 11

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.1310541476422742 - Time: 0.5870683193206787
None

Graph 12

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.20825406819544412 - Time: 0.7145490646362305
None

Graph 13

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.2924666692276716 - Time: 0.8399338722229004
None

Graph 14

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.8758237641815896 - Time: 0.7247927188873291
None

Graph 15

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.29878868277545223 - Time: 0.6500790119171143
None

Graph 16

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.5885124948454461 - Time: 0.7782092094421387
None

Graph 17

Running 4_split_ours_iterative_at_most_qbsolv_parallel...

File- unknown

Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.19838467424926165 - Time: 0.6962430477142334
None

Graph 18

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.11297024288754187 - Time: 0.9286887645721436
None

Graph 19

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.9194011936254896 - Time: 0.8213379383087158
None

Test for graphsize 8

Graph 0

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.4037548984604129 - Time: 0.69097900390625
None

Graph 1

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.14602401068624005 - Time: 0.7056059837341309
None

Graph 2

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.12639840396634128 - Time: 0.6577649116516113
None

Graph 3

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.1447468748308225 - Time: 0.759070873260498
None

Graph 4

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.2074140190053555 - Time: 0.7730939388275146
None

Graph 5

File - unknown

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.21629539194693592 - Time: 0.6748819351196289
None
```

Graph 6

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.1032573088773745 - Time: 0.7893319129943848
None
```

Graph 7

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.08555938986791745 - Time: 0.6677529811859131
None
```

Graph 8

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.13737909873700005 - Time: 0.6783008575439453
None
```

Graph 9

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.23536312556377226 - Time: 0.6116697788238525
None
```

Graph 10

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.2985191363911497 - Time: 0.7590157985687256
None
```

Graph 11

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.1310541476422742 - Time: 0.8508069515228271
None
```

Graph 12

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.20825406819544412 - Time: 0.7180638313293457
None
```

Graph 13

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.2924666692276716 - Time: 0.773996114730835
```

File - unknown

None

Graph 14

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.8758237641815896 - Time: 0.805131196975708
None
```

Graph 15

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.29878868277545223 - Time: 0.7976500988006592
None
```

Graph 16

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.5885124948454461 - Time: 0.6671640872955322
None
```

Graph 17

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.19838467424926165 - Time: 0.7571556568145752
None
```

Graph 18

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.11297024288754187 - Time: 0.7522408962249756
None
```

Graph 19

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.9194011936254896 - Time: 0.7587728500366211
None
```

Test for graphsize 10

Graph 0

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.850779136467672 - Time: 0.6514499187469482
None
```

Graph 1

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
```

File - unknown

2.113205218829208 - Time: 0.683445930480957
None

Graph 2

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.33784569217207405 - Time: 0.6380050182342529
None

Graph 3

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.4612950977452286 - Time: 0.8628261089324951
None

Graph 4

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.16780273947890834 - Time: 0.8131270408630371
None

Graph 5

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.044044789115567 - Time: 0.6816167831420898
None

Graph 6

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.12039452902203607 - Time: 0.8602759838104248
None

Graph 7

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.726339025546757 - Time: 0.7551388740539551
None

Graph 8

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.652738888772592 - Time: 0.7274439334869385
None

Graph 9

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.3547436014939933 - Time: 0.7849199771881104
None

Graph 10

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.6588998527449874 - Time: 0.632378101348877
None
```

Graph 11

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.6441125032737318 - Time: 0.8433117866516113
None
```

Graph 12

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.6905379099888833 - Time: 0.6446270942687988
None
```

Graph 13

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.2492454155493249 - Time: 0.8963890075683594
None
```

Graph 14

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.39705675702467147 - Time: 0.8317708969116211
None
```

Graph 15

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.1076973646763904 - Time: 0.6713201999664307
None
```

Graph 16

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.5195958328469317 - Time: 0.7298681735992432
None
```

Graph 17

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.5224072535037649 - Time: 0.6966478824615479
None
```

Graph 18

File - unknown

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.4516002911853718 - Time: 0.7748339176177979
None
```

Graph 19

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.8013746780583304 - Time: 0.6898560523986816
None
```

Test for graphsize 12

Graph 0

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.6150486301365916 - Time: 5.13885498046875
None
```

Graph 1

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.082427022828277 - Time: 5.6966493129730225
None
```

Graph 2

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.38475651674715294 - Time: 7.099650859832764
None
```

Graph 3

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.560367844286219 - Time: 4.699713945388794
None
```

Graph 4

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.44488729516555026 - Time: 9.350045919418335
None
```

Graph 5

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.8431061084135649 - Time: 4.94599986076355
None
```

Graph 6

File - unknown

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.7639394580685206 - Time: 7.961661100387573
None
```

Graph 7

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.7792806079405281 - Time: 4.749245882034302
None
```

Graph 8

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.2591533310888252 - Time: 5.059478998184204
None
```

Graph 9

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.5954578349497766 - Time: 4.574815988540649
None
```

Graph 10

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.6059122564815951 - Time: 4.71480917930603
None
```

Graph 11

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.702289163217074 - Time: 5.500695705413818
None
```

Graph 12

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.8736191784041978 - Time: 5.175499200820923
None
```

Graph 13

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.6561829802817627 - Time: 4.84066104888916
None
```

Graph 14

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
```

File - unknown

1.4616685125603937 - Time: 4.688093900680542
None

Graph 15

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.5777465750025783 - Time: 6.018703937530518
None

Graph 16

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.1582704298219042 - Time: 4.854898929595947
None

Graph 17

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.6098161453602629 - Time: 4.9198079109191895
None

Graph 18

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.2399354793810673 - Time: 4.864099025726318
None

Graph 19

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
2.201714058246395 - Time: 4.5657126903533936
None

Test for graphsize 14

Graph 0

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.2801666702618846 - Time: 8.939882040023804
None

Graph 1

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.9910337078295726 - Time: 4.801637172698975
None

Graph 2

Running 4_split_ours_iterative_at_most_qbsolv_parallel...

File - unknown

Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.7896917547366726 - Time: 4.401094913482666
None

Graph 3

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.32406091265609405 - Time: 9.309263229370117
None

Graph 4

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.7434000061760955 - Time: 4.474151372909546
None

Graph 5

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.5577618317755935 - Time: 9.06033205986023
None

Graph 6

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.8226613726159684 - Time: 9.91609501838684
None

Graph 7

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.072236044635126 - Time: 4.8500800132751465
None

Graph 8

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.8416300286743024 - Time: 8.688061952590942
None

Graph 9

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
2.4431815381742013 - Time: 9.199119806289673
None

Graph 10

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.6521493604439357 - Time: 9.028318881988525
None

Graph 11

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.1170498230417039 - Time: 4.611820936203003
None
```

Graph 12

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.6293034223394756 - Time: 8.937710046768188
None
```

Graph 13

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.0358230118990974 - Time: 4.694100856781006
None
```

Graph 14

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.0806199836372201 - Time: 8.925031900405884
None
```

Graph 15

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.6937347837068302 - Time: 4.556859970092773
None
```

Graph 16

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.8614475795839951 - Time: 8.898847103118896
None
```

Graph 17

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.9888065387748739 - Time: 8.669579029083252
None
```

Graph 18

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.8831225677352705 - Time: 8.5940420627594
None
```

Graph 19

File - unknown

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.7870756382366793 - Time: 9.039024829864502
None
```

Test for graphsize 16

Graph 0

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.822906633005644 - Time: 8.87603497505188
None
```

Graph 1

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.02240091914733 - Time: 8.858113050460815
None
```

Graph 2

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.8919407950075495 - Time: 9.253097295761108
None
```

Graph 3

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.8449224007561682 - Time: 8.506741285324097
None
```

Graph 4

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.6262725262860229 - Time: 8.758916854858398
None
```

Graph 5

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
3.2643274461642093 - Time: 9.294989109039307
None
```

Graph 6

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.3304850667358323 - Time: 8.787842035293579
None
```

File - unknown

Graph 7

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.0160665942924254 - Time: 9.352260112762451
None

Graph 8

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.9121356510589749 - Time: 9.203119277954102
None

Graph 9

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.9543621161819686 - Time: 8.991829872131348
None

Graph 10

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.8229066330056085 - Time: 9.092981815338135
None

Graph 11

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.0224009191474863 - Time: 8.830744743347168
None

Graph 12

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.8919407950071729 - Time: 9.08840012550354
None

Graph 13

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.8449224007551734 - Time: 8.726022958755493
None

Graph 14

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.6262725262863498 - Time: 9.085237979888916
None

Graph 15

Running 4_split_ours_iterative_at_most_qbsolv_parallel...

File- unknown

Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.5325696747462771 - Time: 9.325807094573975
None

Graph 16

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.9404045759696231 - Time: 9.484206199645996
None

Graph 17

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.11076397406012 - Time: 9.981905221939087
None

Graph 18

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.333519919451696 - Time: 9.77725625038147
None

Graph 19

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.3821471550545326 - Time: 9.41556715965271
None

Test for graphsize 18

Graph 0

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.22958232134755 - Time: 9.193498134613037
None

Graph 1

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.9642698128749885 - Time: 9.850075960159302
None

Graph 2

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.7324635199480483 - Time: 11.281370878219604
None

Graph 3

File - unknown

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.9489845542806634 - Time: 8.964164018630981
None
```

Graph 4

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.5284612501546704 - Time: 9.641425132751465
None
```

Graph 5

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.5069596362593671 - Time: 9.67546010017395
None
```

Graph 6

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.4521889657959477 - Time: 9.468238115310669
None
```

Graph 7

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.0738307702452161 - Time: 9.455452919006348
None
```

Graph 8

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.9280845774882422 - Time: 9.513120174407959
None
```

Graph 9

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.2154281540707146 - Time: 9.159919738769531
None
```

Graph 10

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.4225599222920451 - Time: 4.592555999755859
None
```

Graph 11

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.2671337334371202 - Time: 4.757670164108276
```

File - unknown

None

Graph 12

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.550146932461665 - Time: 4.773006916046143
None

Graph 13

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.23850950742086496 - Time: 9.62900185585022
None

Graph 14

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.5123579767928774 - Time: 9.383930921554565
None

Graph 15

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.7876205949141379 - Time: 8.852765321731567
None

Graph 16

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.0064599804971195 - Time: 9.506654977798462
None

Graph 17

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.9666033216792229 - Time: 9.24282693862915
None

Graph 18

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.939148613571426 - Time: 9.122681856155396
None

Graph 19

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.8620304898268571 - Time: 9.781569004058838
None

File - unknown

Test for graphsize 20

Graph 0

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.2286198003634965 - Time: 9.612823247909546
None
```

Graph 1

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.146804753056955 - Time: 9.39419412612915
None
```

Graph 2

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.1055289628951073 - Time: 9.893245935440063
None
```

Graph 3

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.9308740224380188 - Time: 9.560242891311646
None
```

Graph 4

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.759847876834371 - Time: 9.88477635383606
None
```

Graph 5

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.8329240585346938 - Time: 9.192559957504272
None
```

Graph 6

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.2720059272304098 - Time: 9.42564606666565
None
```

Graph 7

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.010634009675634 - Time: 9.45714807510376
None
```

Graph 8

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.9555164697122933 - Time: 9.489618062973022
None
```

Graph 9

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.1140725334617159 - Time: 9.739835023880005
None
```

Graph 10

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.1086714555953918 - Time: 9.174633264541626
None
```

Graph 11

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.3901409670808889 - Time: 9.058498859405518
None
```

Graph 12

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.8273616108029387 - Time: 10.035771131515503
None
```

Graph 13

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.5096587190417594 - Time: 9.817655086517334
None
```

Graph 14

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.142733334196528 - Time: 9.805604934692383
None
```

Graph 15

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.338581728684872 - Time: 9.178306102752686
None
```

Graph 16

File - unknown

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.4018693972730745 - Time: 9.334906101226807
None
```

Graph 17

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.516596878262611 - Time: 9.724164247512817
None
```

Graph 18

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.0512632971854572 - Time: 9.682354927062988
None
```

Graph 19

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.7348132032658938 - Time: 9.349548101425171
None
```

Test for graphsize 22

Graph 0

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.3789109416829959 - Time: 9.883036136627197
None
```

Graph 1

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.1445445552090874 - Time: 9.800477981567383
None
```

Graph 2

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.1527341057839138 - Time: 9.504785060882568
None
```

Graph 3

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
0.8386235254101209 - Time: 9.622864723205566
None
```

Graph 4

File - unknown

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.4141131952076123 - Time: 9.368732213973999
None
```

Graph 5

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.2311338513693997 - Time: 10.047477006912231
None
```

Graph 6

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.9295166795682377 - Time: 9.316869974136353
None
```

Graph 7

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.4769895353490199 - Time: 9.71098017692566
None
```

Graph 8

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.221000462496292 - Time: 9.609446048736572
None
```

Graph 9

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.3166678866445665 - Time: 10.15717101097107
None
```

Graph 10

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.4844338943951811 - Time: 9.633976936340332
None
```

Graph 11

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.2221165947339898 - Time: 9.618018627166748
None
```

Graph 12

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
```

File - unknown

1.67675443249464 - Time: 9.637502908706665
None

Graph 13

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.7808146272583585 - Time: 9.30306887626648
None

Graph 14

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.3645584596682312 - Time: 9.903898000717163
None

Graph 15

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.2948763920489057 - Time: 9.939110040664673
None

Graph 16

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.3757912013005225 - Time: 9.53650712966919
None

Graph 17

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.108844836437882 - Time: 9.562356948852539
None

Graph 18

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.3414015011873701 - Time: 9.593352794647217
None

Graph 19

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.7448801101228497 - Time: 9.99120306968689
None

Test for graphsize 24

Graph 0

Running 4_split_ours_iterative_at_most_qbsolv_parallel...

File - unknown

Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.7010052388675874 - Time: 17.557003021240234
None

Graph 1

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.3886139829530038 - Time: 17.637177228927612
None

Graph 2

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.5862663420935306 - Time: 21.287013292312622
None

Graph 3

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.5924746022500145 - Time: 14.13917589187622
None

Graph 4

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.57079474839486 - Time: 17.884476900100708
None

Graph 5

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.3426834078204877 - Time: 18.028852939605713
None

Graph 6

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.4906366941049853 - Time: 13.868996858596802
None

Graph 7

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.3171557162028549 - Time: 14.121216058731079
None

Graph 8

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.62116363968439 - Time: 13.617082118988037
None

Graph 9

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.1355862586534258 - Time: 13.010859966278076
None
```

Graph 10

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.3721065249381823 - Time: 16.82260799407959
None
```

Graph 11

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.5708787552799706 - Time: 17.625072956085205
None
```

Graph 12

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.3241178248075869 - Time: 18.099682092666626
None
```

Graph 13

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.811060936422372 - Time: 17.598678827285767
None
```

Graph 14

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.816278325728014 - Time: 17.429321765899658
None
```

Graph 15

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.4883841820783488 - Time: 13.454503297805786
None
```

Graph 16

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.3263648141889561 - Time: 17.760417938232422
None
```

Graph 17

File - unknown

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.7055631245185978 - Time: 13.981025218963623
None
```

Graph 18

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.447440198799562 - Time: 17.303688287734985
None
```

Graph 19

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.9196240992240305 - Time: 18.929780960083008
None
```

Test for graphsize 26

Graph 0

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.9275312464485168 - Time: 19.182588815689087
None
```

Graph 1

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.9082577259881361 - Time: 18.020527124404907
None
```

Graph 2

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.5729638131652308 - Time: 17.734216928482056
None
```

Graph 3

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.9552111194626889 - Time: 18.110188722610474
None
```

Graph 4

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.5029838005635696 - Time: 18.254651308059692
None
```

File - unknown

Graph 5

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.4744191862071574 - Time: 17.729339838027954
None

Graph 6

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
2.1619977227798017 - Time: 18.0836341381073
None

Graph 7

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.6961258350955077 - Time: 17.800737857818604
None

Graph 8

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.7862359408452448 - Time: 18.44915509223938
None

Graph 9

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
2.074759205108485 - Time: 18.528937101364136
None

Graph 10

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.837086002332633 - Time: 18.828768014907837
None

Graph 11

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.2409073975555813 - Time: 18.749113082885742
None

Graph 12

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.6795941655149207 - Time: 18.274452924728394
None

Graph 13

Running 4_split_ours_iterative_at_most_qbsolv_parallel...

File- unknown

Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.9878145093575128 - Time: 18.389475107192993
None

Graph 14

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.6557715426500152 - Time: 18.7534019947052
None

Graph 15

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.9392763337633028 - Time: 19.63265895843506
None

Graph 16

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.679067250405403 - Time: 18.240520000457764
None

Graph 17

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.7729039084590497 - Time: 18.622321128845215
None

Graph 18

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
2.0167658061418194 - Time: 17.81357216835022
None

Graph 19

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
2.2023526251088157 - Time: 18.182013988494873
None

Test for graphsize 28

Graph 0

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
2.102415248660037 - Time: 17.848723888397217
None

Graph 1

File - unknown

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.7564689501037805 - Time: 18.321768045425415
None
```

Graph 2

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.9487780294415487 - Time: 20.725348949432373
None
```

Graph 3

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.7278676435872669 - Time: 19.248840808868408
None
```

Graph 4

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.9519000169963547 - Time: 19.398908853530884
None
```

Graph 5

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.844443706537085 - Time: 19.14222002029419
None
```

Graph 6

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.751562178646921 - Time: 18.373201847076416
None
```

Graph 7

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
2.147540277130666 - Time: 18.166454076766968
None
```

Graph 8

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
2.450492598571003 - Time: 19.44779086112976
None
```

Graph 9

```
Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
2.632817062897253 - Time: 18.256250858306885
```

File - unknown

None

Graph 10

Running 4_split_ours_iterative_at_most_qbsolv_parallel...

Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
2.0368985620604505 - Time: 18.844537019729614

None

Graph 11

Running 4_split_ours_iterative_at_most_qbsolv_parallel...

Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.824350813344246 - Time: 18.41411805152893

None

Graph 12

Running 4_split_ours_iterative_at_most_qbsolv_parallel...

Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.928146562659343 - Time: 18.34483289718628

None

Graph 13

Running 4_split_ours_iterative_at_most_qbsolv_parallel...

Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
2.6321889486832077 - Time: 18.342433214187622

None

Graph 14

Running 4_split_ours_iterative_at_most_qbsolv_parallel...

Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.634885555046111 - Time: 18.478240966796875

None

Graph 15

Running 4_split_ours_iterative_at_most_qbsolv_parallel...

Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
2.2890933628745316 - Time: 18.937185049057007

None

Graph 16

Running 4_split_ours_iterative_at_most_qbsolv_parallel...

Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
2.569843289461332 - Time: 18.62062430381775

None

Graph 17

Running 4_split_ours_iterative_at_most_qbsolv_parallel...

Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
1.8604912623196768 - Time: 22.95172619819641

None

File - unknown

Graph 18

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
2.2661988687358203 - Time: 17.974148988723755
None

Graph 19

Running 4_split_ours_iterative_at_most_qbsolv_parallel...
Coalition structure value for 4_split_ours_iterative_at_most_qbsolv_parallel:
2.2211219918747673 - Time: 19.61055588722229
None

Test for graphsize 4

Graph 0

Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
028954843277226416 - Time: 0.5198829174041748
None

Graph 1

Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
5708825220945002 - Time: 0.632390022277832
None

Graph 2

Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
00712843874983804 - Time: 0.531684160232544
None

Graph 3

Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
06152625301075432 - Time: 0.24261808395385742
None

Graph 4

Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
06396917936914548 - Time: 0.24515318870544434
None

Graph 5

Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
10380144569396066 - Time: 0.23868608474731445
None

Graph 6

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
05554082850606079 - Time: 0.2574939727783203
None
```

Graph 7

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
038931269477402 - Time: 0.6163008213043213
None
```

Graph 8

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
042007430425400116 - Time: 0.2476508617401123
None
```

Graph 9

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
0010690439865044254 - Time: 0.5722830295562744
None
```

Graph 10

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
2197142340515299 - Time: 0.5143508911132812
None
```

Graph 11

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
2770576453315883 - Time: 0.5145828723907471
None
```

Graph 12

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
06753117632182892 - Time: 0.23595714569091797
None
```

Graph 13

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
01673789206527232 - Time: 0.25408387184143066
None
```

Graph 14

File - unknown

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
03599345154763256 - Time: 0.259519100189209
None
```

Graph 15

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
10695262062797894 - Time: 0.5146791934967041
None
```

Graph 16

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
06090302529973002 - Time: 0.32628512382507324
None
```

Graph 17

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
37306828772501177 - Time: 0.6471748352050781
None
```

Graph 18

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
06615960564805334 - Time: 0.23916006088256836
None
```

Graph 19

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
24253747559571082 - Time: 0.2541639804840088
None
```

Test for graphsize 6

Graph 0

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
4037548984604129 - Time: 0.6644971370697021
None
```

Graph 1

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
14602401068624005 - Time: 0.6867280006408691
None
```

Graph 2

File - unknown

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
12639840396634128 - Time: 0.6157858371734619
None
```

Graph 3

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
1447468748308225 - Time: 0.5748579502105713
None
```

Graph 4

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
2074140190053555 - Time: 0.762235164642334
None
```

Graph 5

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
21629539194693592 - Time: 0.90425705909729
None
```

Graph 6

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
1032573088773745 - Time: 0.8018050193786621
None
```

Graph 7

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
08555938986791745 - Time: 0.8332870006561279
None
```

Graph 8

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
13737909873700005 - Time: 0.7023518085479736
None
```

Graph 9

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
23536312556377226 - Time: 0.7715351581573486
None
```

Graph 10

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
```

File - unknown

2985191363911497 - Time: 0.873877763748169
None

Graph 11

Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
1310541476422742 - Time: 0.5420892238616943
None

Graph 12

Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
20825406819544412 - Time: 0.578045129776001
None

Graph 13

Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
2924666692276716 - Time: 0.6210899353027344
None

Graph 14

Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
8758237641815896 - Time: 0.5921812057495117
None

Graph 15

Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
29878868277545223 - Time: 0.742927074432373
None

Graph 16

Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
5885124948454461 - Time: 0.5095081329345703
None

Graph 17

Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
19838467424926165 - Time: 0.6231210231781006
None

Graph 18

Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
11297024288754187 - Time: 0.4827260971069336
None

File - unknown

Graph 19

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
9194011936254896 - Time: 0.5209662914276123
None
```

Test for graphsize 8

Graph 0

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
4037548984604129 - Time: 0.6456277370452881
None
```

Graph 1

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
14602401068624005 - Time: 0.6312332153320312
None
```

Graph 2

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
12639840396634128 - Time: 0.6326591968536377
None
```

Graph 3

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
1447468748308225 - Time: 0.5584468841552734
None
```

Graph 4

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
2074140190053555 - Time: 0.6974117755889893
None
```

Graph 5

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
21629539194693592 - Time: 0.7064788341522217
None
```

Graph 6

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
1032573088773745 - Time: 0.7157223224639893
None
```

Graph 7

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
08555938986791745 - Time: 0.6421570777893066
None
```

Graph 8

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
13737909873700005 - Time: 0.6722011566162109
None
```

Graph 9

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
23536312556377226 - Time: 0.6034348011016846
None
```

Graph 10

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
2985191363911497 - Time: 0.8681290149688721
None
```

Graph 11

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
1310541476422742 - Time: 0.6268157958984375
None
```

Graph 12

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
20825406819544412 - Time: 0.6262199878692627
None
```

Graph 13

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
2924666692276716 - Time: 0.5919420719146729
None
```

Graph 14

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
8758237641815896 - Time: 0.5504128932952881
None
```

Graph 15

File - unknown

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
29878868277545223 - Time: 0.7322201728820801
None
```

Graph 16

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
5885124948454461 - Time: 0.7211530208587646
None
```

Graph 17

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
19838467424926165 - Time: 0.6384861469268799
None
```

Graph 18

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
11297024288754187 - Time: 0.6658103466033936
None
```

Graph 19

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
9194011936254896 - Time: 0.633342981338501
None
```

Test for graphsize 10

Graph 0

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
850779136467672 - Time: 0.7209639549255371
None
```

Graph 1

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 2.
113205218829208 - Time: 0.6259589195251465
None
```

Graph 2

```
Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
33784569217207405 - Time: 0.6274049282073975
None
```

File - unknown

Graph 3

Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
4612950977452286 - Time: 0.7050466537475586
None

Graph 4

Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
16780273947890834 - Time: 0.7726826667785645
None

Graph 5

Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 1.
044044789115567 - Time: 0.6764318943023682
None

Graph 6

Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
12039452902203607 - Time: 0.821342945098877
None

Graph 7

Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
726339025546757 - Time: 0.7616162300109863
None

Graph 8

Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
652738888772592 - Time: 0.941931962966919
None

Graph 9

Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
3547436014939933 - Time: 0.9546060562133789
None

Graph 10

Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
6588998527449874 - Time: 0.8504049777984619
None

Graph 11

Running 4_split_GCSQ_exactly_qbsolv_parallel...

File - unknown

Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
6441125032737318 - Time: 0.967893123626709
None

Graph 12

Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
6905379099888833 - Time: 0.818911075592041
None

Graph 13

Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
2492454155493249 - Time: 1.1896259784698486
None

Graph 14

Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
39705675702467147 - Time: 0.6954817771911621
None

Graph 15

Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 1.
1076973646763904 - Time: 0.6668717861175537
None

Graph 16

Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
5195958328469317 - Time: 0.8337578773498535
None

Graph 17

Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
5224072535037649 - Time: 0.8035593032836914
None

Graph 18

Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
4516002911853718 - Time: 0.7593040466308594
None

Graph 19

Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 1.
8013746780583304 - Time: 0.7558579444885254
None

Test for graphsize 12

Graph 0

Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
6150486301365916 - Time: 6.331121921539307
None

Graph 1

Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 1.
082427022828277 - Time: 5.2041919231414795
None

Graph 2

Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
38475651674715294 - Time: 4.854654788970947
None

Graph 3

Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
560367844286219 - Time: 5.37251877784729
None

Graph 4

Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
44488729516555026 - Time: 9.536535024642944
None

Graph 5

Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
8431061084135649 - Time: 6.132367134094238
None

Graph 6

Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
7639394580685206 - Time: 5.54541802406311
None

Graph 7

Running 4_split_GCSQ_exactly_qbsolv_parallel...
Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
7792806079405281 - Time: 6.625585079193115

File - unknown

None

Graph 8

Running 4_split_GCSQ_exactly_qbsolv_parallel...

Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 1.

2591533310888252 - Time: 5.379065036773682

None

Graph 9

Running 4_split_GCSQ_exactly_qbsolv_parallel...

Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.

5954578349497766 - Time: 5.285310983657837

None

Graph 10

Running 4_split_GCSQ_exactly_qbsolv_parallel...

Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.

6059122564815951 - Time: 4.954988241195679

None

Graph 11

Running 4_split_GCSQ_exactly_qbsolv_parallel...

Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.

702289163217074 - Time: 6.04985785484314

None

Graph 12

Running 4_split_GCSQ_exactly_qbsolv_parallel...

Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.

8736191784041978 - Time: 5.6223390102386475

None

Graph 13

Running 4_split_GCSQ_exactly_qbsolv_parallel...

Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.

6561829802817627 - Time: 5.0537028312683105

None

Graph 14

Running 4_split_GCSQ_exactly_qbsolv_parallel...

Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 1.

4616685125603937 - Time: 5.824923992156982

None

Graph 15

Running 4_split_GCSQ_exactly_qbsolv_parallel...

Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.

5777465750025783 - Time: 5.939502000808716

None

File - unknown

Graph 16

Running 4_split_GCSQ_exactly_qbsolv_parallel...

Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 1.
1582704298219042 - Time: 5.956796884536743
None

Graph 17

Running 4_split_GCSQ_exactly_qbsolv_parallel...

Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
6098161453602629 - Time: 5.075561046600342
None

Graph 18

Running 4_split_GCSQ_exactly_qbsolv_parallel...

Coalition structure value for 4_split_GCSQ_exactly_qbsolv_parallel: 0.
2399354793810673 - Time: 4.818993091583252
None

Graph 19

Running 4_split_GCSQ_exactly_qbsolv_parallel...