Экспериментальное исследование:

Тесты из папки Ftests (малый объем вх. Данных для BF):

inputF0.xml (1):

GA: WCRT = 55487
Time = 0.19 c
Task num = 1
BS = 25000

AI: WCRT = 55487
Time = 1.89 c
Task num = 1
BS = 25000

BF: WCRT = 55487
Time = 184 c
Task num = 1
BS = 25000

STBA: WCRT = 55487
Time = < 0.1 c
Task num = 1
BS = 25000

inputF2.xml (20):

GA: WCRT = 3374
Time = 0.851 c
Task num = 20
BS = 2000

AI: WCRT = 3374
Time = 2.512 c
Task num = 20
BS = 2000

WCRT BF: 3374
Time: 295.3173851966858
Task number: 20
WCRT BS: 2000

STBA: WCRT = 3374
Time = < 0.1 c
Task num = 20
BS = 2000

inputF2.xml (23):

WCRT GA: 4117
Time: 0.8250479698181152
solution: {9: 9, 22: 1220}
Task number: 23
WCRT BS: 2000

WCRT AI: 4117
Time: 2.663289785385132
solution: {9: 49, 22: 155}
Task number: 23
WCRT BS: 2000

WCRT BF: 4117
Time: 1868.3928437232971
Task number: 23
WCRT BS: 2000

WCRT STBA: 4117
Time: < 0.1 c
Task number: 23
WCRT BS: 2000

inputF3.xml (2):

WCRT GA: 40
Time: 2.027984142303467
solution: {0: 6, 14: 3, 9: 4, 11: 3, 13: 4, 15: 7}
Task number: 2
WCRT BS: 30

WCRT AI: 40
Time: 2.6841490268707275
solution: {0: 4, 14: 1, 9: 9, 11: 4, 13: 6, 15: 7}
Task number: 2
WCRT BS: 30

WCRT STBA: 40
Time: < 0.1 c
Task number: 2
WCRT BS: 30

inputF3.xml (17):

WCRT GA: 21731
Time: 0.2962799072265625
solution: {16: 11114}
Task number: 17
WCRT BS: 15000

WCRT AI: 21731
Time: 3.0326409339904785
solution: {16: 9483}
Task number: 17
WCRT BS: 15000

WCRT STBA: 21731
Time: < 0.1 c
Task number: 17
WCRT BS: 15000

inputF3.xml (23):

WCRT GA: 6149
Time: 1.1328351497650146
solution: {8: 10, 7: 4, 22: 919}
Task number: 23
WCRT BS: 2500

WCRT AI: 6149
Time: 2.9423186779022217
solution: {8: 3, 7: 2, 22: 1062}
Task number: 23
WCRT BS: 2500

WCRT STBA: 6149
Time: < 0.1
Task number: 23
WCRT BS: 2500

example5.xml (4):

WCRT GA: 35
Time: 0.12004399299621582
solution: {0: 20, 2: 5}
Task number: 4
WCRT BS: 35

WCRT AI: 35
Time: 2.179131031036377
solution: {0: 13, 2: 5}
Task number: 4
WCRT BS: 35

WCRT BF: 35
Time: 0.14746499061584473
Task number: 4
WCRT BS: 35

WCRT STBA: 40
Time: < 0.1
Task number: 4
WCRT BS: 35

example5.xml (3):

WCRT GA: 25
Time: 0.11881184577941895
solution: {0: 10}
Task number: 3
WCRT BS: 20

WCRT AI: 25
Time: 2.168523073196411
solution: {0: 5}
Task number: 3
WCRT BS: 20

WCRT BF: 25
Time: 0.13680100440979004
Task number: 3
WCRT BS: 20

WCRT STBA: 25
Time: < 0.1
Task number: 3
WCRT BS: 20

exampleBF.xml (7):

WCRT GA: 841
Time: 0.96975302669622803
Task number: 7
WCRT BS: 841

WCRT AI: 841
Time: 2.2846078872680664
Task number: 7
WCRT BS: 841

WCRT BF: 841
Time: 18.220462799072266
Task number: 7
WCRT BS: 841

WCRT STBA: 846
Time: < 0.1
Task number: 7
WCRT BS: 841

Тесты из папки tests (большой объем вх. данных не для BF!):

inputBFAR1-46.xml

inputBFAR1-46.xml (120):

WCRT GA: 4820
Time: 23.126538038253784
Task number: 120
WCRT BS: 4820

WCRT AI: 4820
Time: 25.78711771965027
Task number: 120
WCRT BS: 4820

WCRT STBA: 4921
Time: < 0.1
Task number: 120
WCRT BS: 4820

inputBFAR1-46.xml (150):

WCRT GA: 5267
Time: 22.59195899963379
Task number: 150
WCRT BS: 5267

WCRT AI: 5267
Time: 25.363354206085205
Task number: 150
WCRT BS: 5267

WCRT STBA: 5323
Time: < 0.1
Task number: 150
WCRT BS: 5267

inputBFAR1-46.xml (46):

WCRT GA: 5780
Time: 60.296382904052734
Task number: 46
WCRT BS: 5529

WCRT AI: 5529
Time: 26.015167951583862
Task number: 46
WCRT BS: 5529

WCRT STBA: 6191
Time: < 0.1
Task number: 46
WCRT BS: 5529

inputBFAR1-46.xml (142):

WCRT GA: 4814
Time: 23.026723861694336
Task number: 142
WCRT BS: 4814

WCRT STBA: 5019
Time: < 0.1
Task number: 142
WCRT BS: 4814

inputBFAR1-46.xml (136):

WCRT GA: 4668
Time: 24.389115810394287
Task number: 136
WCRT BS: 4668

WCRT STBA: 5288
Time: < 0.1
Task number: 136
WCRT BS: 4668

inputBFAR2-80.xml

File name: inputBFAR2-80.xml (80):

WCRT GA: 95237
Time: 10.038002967834473
Task number: 80
WCRT BS: 81891

WCRT AI: 93650
Time: 12.297904014587402
Task number: 80
WCRT BS: 81891

WCRT STBA: 95237
Time: < 0.1
Task number: 80
WCRT BS: 81891

File name: inputBFAR2-80.xml (82):

WCRT GA: 154977
Time: 17.70329213142395
Task number: 82
WCRT BS: 142776

WCRT STBA: 154977
Time: < 0.1
Task number: 82
WCRT BS: 142776

File name: inputBFAR2-80.xml (58):

WCRT GA: 39122
Time: 7.756683826446533
Task number: 58
WCRT BS: 39122

WCRT STBA: 56680
Time: < 0.1
Task number: 58
WCRT BS: 39122

File name: inputBFAR2-80.xml (56):

WCRT GA: 92098
Time: 7.661808967590332
Task number: 56
WCRT BS: 92098

WCRT STBA: 113296
Time: < 0.1
Task number: 56
WCRT BS:

File name: inputBFAR2-80.xml (22):

WCRT GA: 99778
Time: 13.232372999191284
Task number: 22
WCRT BS: 77643

WCRT STBA: 107389
Time: < 0.1
Task number: 22
WCRT BS:

inputBFAR3-139.xml

File name: inputBFAR3-139.xml (139)

WCRT GA: 6789
Time: 66.39482402801514
solution: {0: 200, 1: 850, 2: 820, 130: 15, 132: 20, 133: 105, 134: 17, 3: 80, 4: 77, 5: 42, 138: 30, 11: 1070, 13: 490, 140: 35, 6: 23, 7: 77, 8: 58, 146: 11, 147: 68, 148: 11, 149: 35, 150: 530, 152: 82, 153: 113, 17: 18, 9: 51, 10: 79, 12: 45, 14: 57, 15: 36, 16: 44, 120: 83, 126: 12}
Task number: 139
WCRT BS: 6289

WCRT AI: 6289
Time: 26.245330810546875
solution: {0: 148, 1: 672, 2: 416, 130: 14, 132: 15, 133: 95, 134: 15, 3: 69, 4: 73, 5: 36, 138: 28, 11: 738, 13: 397, 140: 31, 6: 19, 7: 64, 8: 51, 146: 7, 147: 61, 148: 12, 149: 38, 150: 3847, 152: 86, 153: 831, 17: 17, 9: 44, 10: 73, 12: 37, 14: 56, 15: 41, 16: 38, 120: 8, 126: 15}
Task number: 139
WCRT BS: 6289

WCRT STBA: 6789
Time: < 0.1
Task number: 139
WCRT BS: 6289

File name: inputBFAR3-139.xml (154):

WCRT GA: 10779
Time: 25.667410850524902
Task number: 154
WCRT BS: 10779

WCRT STBA: 10889
Time: < 0.1
Task number: 154
WCRT BS: 10779

File name: inputBFAR3-139.xml (149):

WCRT GA: 5200
Time: 80.43648195266724
Task number: 149
WCRT BS: 4674

WCRT STBA: 5214

Time: < 0.1
Task number: 149
WCRT BS:

File name: inputBFAR3-139.xml (45):

WCRT GA: 4598
Time: 47.716087102890015
Task number: 45
WCRT BS: 4517

WCRT STBA: 5009
Time: < 0.1
Task number: 45
WCRT BS:

File name: inputBFAR3-139.xml (21):

WCRT GA: 6336
Time: 24.619912147521973
Task number: 21
WCRT BS: 6336

WCRT STBA: 6689
Time: < 0.1
Task number: 21
WCRT BS:

inputBFAR4-63.xml

File name: inputBFAR4-63.xml (63):

WCRT GA: 110363
Time: 21.309957027435303
Task number: 63
WCRT BS: 96028

WCRT AI: 96028
Time: 8.889918088912964
Task number: 63
WCRT BS: 96028

WCRT STBA: 113586
Time: < 0.1
Task number: 63
WCRT BS: 96028

File name: inputBFAR4-63.xml (82):

WCRT GA: 174356
Time: 9.170708894729614
Task number: 82
WCRT BS: 174356

WCRT STBA: 174356
Time: < 0.1
Task number: 82
WCRT BS:

File name: inputBFAR4-63.xml (49):

WCRT GA: 103680
Time: 8.137722969055176
Task number: 49
WCRT BS: 103680

WCRT STBA: 120296
Time: < 0.1
Task number: 49
WCRT BS:

File name: inputBFAR4-63.xml (22):

WCRT GA: 100582
Time: 19.65021586418152
Task number: 22
WCRT BS: 77643

WCRT STBA: 107389
Time: < 0.1
Task number: 22

WCRT BS:

File name: inputBFAR4-63.xml (16):

WCRT GA: 92472
Time: 7.6277172565460205
Task number: 16
WCRT BS: 92472

WCRT STBA: 92472
Time: < 0.1
Task number: 16
WCRT BS:

File name: inputBFAR5-59.xml:

WCRT GA: 2031
Time: 10.053084135055542
solution: {0: 214, 1: 106, 2: 10, 3: 292, 4: 222, 5: 36, 6: 256, 7: 6, 8: 318, 9: 150, 10: 234, 13: 220, 15: 18, 51: 16, 52: 44, 53: 35, 54: 18, 55: 51}
Task number: 59
WCRT BS: 1669

WCRT AI: 1778
Time: 19.026404857635498
solution: {0: 46, 1: 54, 2: 6, 3: 196, 4: 69, 5: 18, 6: 181, 7: 2, 8: 148, 9: 11, 10: 149, 13: 26, 15: 32, 51: 94, 52: 32, 53: 184, 54: 52, 55: 47}
Task number: 59
WCRT BS: 1669

WCRT STBA: 2031
Time: < 0.1
Task number: 59
WCRT BS: 1669

File name: inputBFAR6-44.xml:

WCRT GA: 3131
Time: 13.611641645431519
Task number: 44
WCRT BS: 2793

WCRT AI: 2793
Time: 7.925335884094238
Task number: 44
WCRT BS: 2793

WCRT STBA: 3131
Time: < 0.1
Task number: 44
WCRT BS: 2793

File name: inputBFAR7-24.xml:

WCRT GA: 3709
Time: 12.173167705535889
solution: {0: 334, 1: 162, 2: 228, 3: 316, 4: 132, 5: 334, 6: 346, 7: 216, 8: 258, 12: 60, 13: 72, 14: 104, 15: 66, 16: 254, 17: 256, 18: 320, 19: 126, 21: 96, 22: 132, 25: 234, 26: 130, 27: 70, 28: 138, 29: 64, 31: 110, 32: 198, 33: 226, 34: 100, 35: 2, 36: 104, 38: 328, 39: 18, 41: 304, 42: 342, 43: 284, 44: 202, 48: 338, 49: 82, 50: 46, 51: 106, 52: 174, 53: 40, 54: 82, 57: 316, 58: 1, 59: 314, 60: 336, 61: 2, 62: 163, 63: 166, 64: 19, 65: 17, 66: 11, 67: 1, 69: 240, 70: 290, 71: 14, 72: 76, 73: 66}
Task number: 24
WCRT BS: 3403

WCRT AI: 3403
Time: 7.799712896347046
solution: {0: 100, 1: 127, 2: 22, 3: 189, 4: 33, 5: 86, 6: 93, 7: 135, 8: 20, 12: 23, 13: 43, 14: 78, 15: 31, 16: 47, 17: 92, 18: 177, 19: 89, 21: 30, 22: 22, 25: 156, 26: 77, 27: 6, 28: 38, 29: 50, 31: 76, 32: 97, 33: 52, 34: 72, 35: 1, 36: 66, 38: 221, 39: 4, 41: 193, 42: 262, 43: 219, 44: 121, 48: 320, 49: 41, 50: 8, 51: 109, 52: 47, 53: 26, 54: 41, 57: 203, 58: 1, 59: 318, 60: 180, 61: 6, 62: 115, 63: 132, 64: 27, 65: 45, 66: 24, 67: 3, 69: 126, 70: 58, 71: 14, 72: 62, 73: 8}
Task number: 24
WCRT BS: 3403

WCRT STBA: 4050
Time: < 0.1
Task number: 24
WCRT BS: 3403

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inputBKBO1-84.xml

File name: inputBKBO1-84.xml (63):

WCRT GA: 2133
Time: 6.28045392036438
Task number: 63
WCRT BS: 2133

WCRT AI: 2133
Time: 7.976863145828247
Task number: 63
WCRT BS: 2133

WCRT STBA: 2157
Time: < 0.1
Task number: 63
WCRT BS: 2133

File name: inputBKBO1-84.xml (89):

WCRT GA: 1067
Time: 114.57555294036865
Task number: 89
WCRT BS: 680

WCRT STBA: 1845
Time: < 0.1
Task number: 89
WCRT BS:

File name: inputBKBO1-84.xml (71):

WCRT GA: 1211
Time: 68.50464510917664
Task number: 71
WCRT BS: 1047

WCRT STBA: 1211
Time: < 0.1
Task number: 71
WCRT BS:

File name: inputBKBO1-84.xml (48):

WCRT GA: 1494
Time: 119.18279027938843
Task number: 48
WCRT BS: 1471

WCRT STBA: 2481 НЕ ПЛАНИРУЕМА
Time: < 0.1
Task number: 48
WCRT BS:

File name: inputBKBO1-84.xml (42):

WCRT GA: 1414
Time: 86.51061201095581
Task number: 42
WCRT BS: 937

WCRT STBA: 2403 НЕ ПЛАНИРУЕМА
Time: < 0.1
Task number: 42
WCRT BS:

inputBKBO2-44.xml:

File name: inputBKBO2-44.xml (44):

WCRT GA: 1034
Time: 18.060410261154175
Task number: 44
WCRT BS: 778

WCRT AI: 1007
Time: 18.484649181365967
Task number: 44
WCRT BS: 778

WCRT STBA: 1034
Time: < 0.1
Task number: 44
WCRT BS: 778

File name: inputBKBO2-44.xml (47):

WCRT GA: 1692
Time: 22.7392361164093
Task number: 47
WCRT BS: 1386

WCRT STBA: 1980
Time: < 0.1
Task number:
WCRT BS:

File name: inputBKBO2-44.xml (32):

WCRT GA: 1518
Time: 52.58738589286804
Task number: 32
WCRT BS: 770

WCRT STBA: 1654
Time: < 0.1
Task number:
WCRT BS:

File name: inputBKBO2-44.xml (19):

WCRT GA: 1238
Time: 9.992424964904785
Task number: 19
WCRT BS: 982

WCRT STBA: 1494
Time: < 0.1
Task number:
WCRT BS:

File name: inputBKBO2-44.xml (13):

WCRT GA: 2626
Time: 11.096112966537476
Task number: 13
WCRT BS: 2626

WCRT STBA: 2694
Time: < 0.1
Task number:
WCRT BS:

inputBKBO3-54.xml:

File name: inputBKBO3-54.xml (54):

WCRT GA: 1359
Time: 13.689386129379272
Task number: 54
WCRT BS: 1103

WCRT AI: 1242
Time: 32.64876079559326
Task number: 54
WCRT BS: 1103

WCRT STBA: 1615
Time: < 0.1
Task number: 54
WCRT BS: 1103

File name: inputBKBO3-54.xml (47):

WCRT GA: 1692
Time: 14.925007104873657
Task number: 47
WCRT BS: 1386

WCRT STBA: 1980
Time: < 0.1
Task number:
WCRT BS:

File name: inputBKBO3-54.xml (32):

WCRT GA: 1538
Time: 40.570836782455444
Task number: 32
WCRT BS: 770

WCRT STBA: 1654
Time: < 0.1
Task number:
WCRT BS:

File name: inputBKBO3-54.xml (17):

WCRT GA: 2006
Time: 9.832705736160278
Task number: 17
WCRT BS: 2006

WCRT STBA: 2216
Time: < 0.1
Task number:
WCRT BS:

File name: inputBKBO3-54.xml (0):

WCRT GA: 2685
Time: 10.877899169921875
Task number: 0
WCRT BS: 2685

WCRT STBA: 2889
Time: < 0.1
Task number:
WCRT BS:

inputBKBO4-35.xml

File name: inputBKBO4-35.xml (35):

WCRT GA: 488
Time: 5.877738952636719
Task number: 35
WCRT BS: 358

WCRT AI: 488
Time: 9.17054009437561
Task number: 35
WCRT BS: 358

WCRT STBA: 488
Time: < 0.1
Task number: 35
WCRT BS: 358

File name: inputBKBO4-35.xml (28):

WCRT GA: 876
Time: 9.262653827667236
Task number: 28
WCRT BS: 688

WCRT STBA: 876
Time: < 0.1
Task number:
WCRT BS:

File name: inputBKBO4-35.xml (17):

WCRT GA: 844
Time: 6.1923089027404785
Task number: 17
WCRT BS: 128

WCRT STBA: 844
Time: < 0.1
Task number:
WCRT BS:

File name: inputBKBO4-35.xml (7):

WCRT GA: 1697
Time: 6.491134881973267
Task number: 7
WCRT BS: 1697

WCRT STBA: 1697
Time: < 0.1
Task number:
WCRT BS:

File name: inputBKBO4-35.xml (2):

WCRT GA: 2221
Time: 5.835181951522827
Task number: 2
WCRT BS: 2221

WCRT STBA: 2233
Time: < 0.1
Task number:
WCRT BS:

File name: inputBKBO5-23.xml

WCRT GA: 840
Time: 22.871401071548462
Task number: 23
WCRT BS: 702

WCRT AI: 734

Time: 26.831416130065918
Task number: 23
WCRT BS: 702

WCRT STBA: 957
Time: < 0.1
Task number: 23
WCRT BS: 702

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inputBTREE1-124.xml

File name: inputBTREE1-124.xml (124):

WCRT GA: 4176
Time: 83.85563015937805
Task number: 124
WCRT BS: 4000

WCRT AI: 4176
Time: 88.61565828323364
Task number: 124
WCRT BS: 4000

WCRT STBA: 5176
Time: < 0.1
Task number: 124
WCRT BS: 4000

File name: inputBTREE1-124.xml (125):

WCRT GA: 6077
Time: 11.140254020690918
Task number: 125
WCRT BS: 6077

WCRT STBA: 6077
Time: < 0.1
Task number:
WCRT BS:

File name: inputBTREE1-124.xml (102):

WCRT GA: 4553
Time: 10.592670917510986
Task number: 102
WCRT BS: 4553

WCRT STBA: 4553
Time: < 0.1
Task number:
WCRT BS:

File name: inputBTREE1-124.xml (82):

WCRT GA: 7595
Time: 10.444447040557861
Task number: 82
WCRT BS: 7595

WCRT STBA: 7595
Time: < 0.1
Task number:
WCRT BS:

File name: inputBTREE1-124.xml (74):

WCRT GA: 3961
Time: 10.918224811553955
Task number: 74
WCRT BS: 3961

WCRT STBA: 3961
Time: < 0.1
Task number:
WCRT BS:

inputBTREE2-102.xml

File name: inputBTREE2-102.xml (102):

WCRT GA: 7379
Time: 87.30036234855652
Task number: 102
WCRT BS: 7094

WCRT AI: 7094
Time: 87.07986092567444
Task number: 102
WCRT BS: 7094

WCRT STBA: 7379
Time:< 0.1
Task number: 102
WCRT BS: 7094

File name: inputBTREE2-102.xml (125):

WCRT GA: 6077
Time: 10.50087594985962
Task number: 125
WCRT BS: 6077

WCRT STBA: 6077
Time: < 0.1
Task number:
WCRT BS:

File name: inputBTREE2-102.xml (92):

WCRT GA: 10547
Time: 12.492815971374512
Task number: 92
WCRT BS: 10547

WCRT STBA: 10547
Time: < 0.1
Task number:
WCRT BS:

File name: inputBTREE2-102.xml (74):

WCRT GA: 3961
Time: 11.501235008239746
Task number: 74
WCRT BS: 3961

WCRT STBA: 3961
Time: < 0.1
Task number:
WCRT BS:

File name: inputBTREE2-102.xml (59):

WCRT GA: 6310
Time: 12.088633298873901
Task number: 59
WCRT BS: 6310

WCRT STBA: 6310
Time: < 0.1
Task number:
WCRT BS:

inputBTREE3-61.xml

File name: inputBTREE3-61.xml (61):

WCRT GA: 3061
Time: 50.352104902267456
Task number: 61
WCRT BS: 1007

WCRT AI: 3061
Time: 39.376590728759766
Task number: 61
WCRT BS: 1007

WCRT STBA: 3061
Time: < 0.1
Task number: 61
WCRT BS: 1007

File name: inputBTREE3-61.xml (73):

WCRT GA: 949
Time: 3.760861873626709
Task number: 73
WCRT BS: 949

WCRT STBA: 1038
Time: < 0.1
Task number:
WCRT BS:

File name: inputBTREE3-61.xml (58):

WCRT GA: 3955
Time: 12.07753300666809
Task number: 58
WCRT BS: 3590

WCRT STBA: 4706
Time: < 0.1
Task number:
WCRT BS:

File name: inputBTREE3-61.xml (50):

WCRT GA: 5567
Time: 5.957879066467285
Task number: 50
WCRT BS: 5567

WCRT STBA: 6213
Time: < 0.1
Task number:
WCRT BS:

File name: inputBTREE3-61.xml (26):

WCRT GA: 5323
Time: 5.967849254608154
Task number: 26
WCRT BS: 4724

WCRT STBA: 6011
Time: < 0.1
Task number:
WCRT BS:

inputBTREE4-40.xml

File name: inputBTREE4-40.xml (40):

WCRT GA: 5526
Time: 32.55065703392029
Task number: 40
WCRT BS: 3657

WCRT AI: 5526
Time: 34.299996852874756
Task number: 40

WCRT BS: 3657

WCRT STBA: 5526
Time: < 0.1
Task number: 40
WCRT BS: 3657

File name: inputBTREE4-40.xml (58):

WCRT GA: 3956
Time: 14.254830837249756
Task number: 58
WCRT BS: 3590

WCRT STBA: 4706
Time: < 0.1
Task number:
WCRT BS:

File name: inputBTREE4-40.xml (50):

WCRT GA: 5567
Time: 4.477806806564331
Task number: 50
WCRT BS: 5567

WCRT STBA: 6213
Time: < 0.1
Task number:
WCRT BS:

File name: inputBTREE4-40.xml (34):

WCRT GA: 3989
Time: 5.964279890060425
Task number: 34
WCRT BS: 3390

WCRT STBA: 4078
Time: < 0.1
Task number:
WCRT BS:

File name: inputBTREE4-40.xml (14):

WCRT GA: 9429
Time: 7.944177150726318
Task number: 14
WCRT BS: 9415

WCRT STBA: 9459
Time: < 0.1
Task number:
WCRT BS:

File name: inputBTREE5-8.xml:

WCRT GA: 8641
Time: 43.99531388282776
Task number: 8
WCRT BS: 8627

WCRT AI: 8627
Time: 34.282429933547974
Task number: 8
WCRT BS: 8627

WCRT STBA: 8671
Time: < 0.1
Task number: 8
WCRT BS: 8627

REAL DATA (152):

WCRT GA: 1428
Time: 28.867911338806152
solution: {38: 342, 39: 145}
Task number: 152
WCRT BS: 1428

WCRT AI: 1428
Time: 303.74654173851013
solution: {38: 120, 39: 145}
Task number: 152
WCRT BS: 1428

WCRT STBA: 1428
Time: 3.18
Task number: 152
WCRT BS: 1428

REAL DATA (161):

WCRT GA: 5000
Time: 266.9735062122345
solution: {7: 130, 10: 140, 12: 252, 15: 90, 80: 13, 16: 24, 17: 20, 115: 1, 20: 40, 21: 429, 22: 13, 87: 0, 25: 323, 26: 221, 158: 108}
Task number: 161
WCRT BS: 5000

WCRT AI: 5000
Time: 293.9884419441223
solution: {7: 53, 10: 56, 12: 66, 15: 21, 80: 13, 16: 8, 17: 16, 115: 1, 20: 8, 21: 410, 22: 13, 87: 0, 25: 155, 26: 182, 158: 87}
Task number: 161
WCRT BS: 5000

WCRT STBA: 5000
Time: 3.21
Task number: 161

WCRT BS: 5000

<u>REAL DATA (146):</u>

WCRT GA: 30628
Time: 276.76959896087646
solution: {6: 684, 7: 130, 8: 32, 10: 140, 11: 286, 12: 252, 14: 170, 15: 90, 16: 24, 17: 20, 20: 40, 21: 429, 22: 13, 23: 24, 25: 323, 26: 221, 29: 299, 33: 130, 47: 224, 49: 12, 50: 364, 51: 1660, 58: 14, 75: 15, 77: 126, 80: 13, 82: 45, 83: 7, 84: 558, 85: 152, 86: 26, 87: 0, 93: 208, 96: 225, 97: 208, 103: 180, 104: 42, 106: 18, 107: 14, 111: 126, 112: 51, 158: 108, 162: 1500}
Task number: 146
WCRT BS: 30628
WCRT AI: 30628
Time: 288.2062747478485
solution: {6: 68, 7: 127, 8: 23, 10: 106, 11: 212, 12: 119, 14: 80, 15: 37, 16: 5, 17: 12, 20: 11, 21: 262, 22: 13, 23: 23, 25: 246, 26: 90, 29: 225, 33: 121, 47: 127, 49: 6, 50: 264, 51: 597, 58: 11, 75: 15, 77: 86, 80: 13, 82: 41, 83: 3, 84: 359, 85: 46, 86: 21, 87: 0, 93: 36, 96: 216, 97: 56, 103: 142, 104: 38, 106: 13, 107: 14, 111: 44, 112: 18, 158: 74, 162: 878}
Task number: 146
WCRT BS: 30628

WCRT STBA: 30628
Time: 3.13
Task number: 146
WCRT BS: 30628

REAL DATA (101):

WCRT GA: 6118
Time: 261.87536787986755
solution: {7: 130, 8: 32, 10: 140, 11: 286, 12: 252, 14: 170, 15: 90, 16: 24, 17: 20, 20: 40, 21: 429, 22: 13, 25: 323, 26: 221, 29: 299, 158: 108, 162: 1500, 47: 224, 49: 12, 50: 364, 115: 1}
Task number: 101
WCRT BS: 6118

WCRT AI: 6118
Time: 298.34359192848206
solution: {7: 70, 8: 32, 10: 37, 11: 115, 12: 77, 14: 139, 15: 27, 16: 13, 17: 18, 20: 18, 21: 246, 22: 13, 25: 182, 26: 214, 29: 282, 158: 38, 162: 431, 47: 154, 49: 4, 50: 59, 115: 1}
Task number: 101
WCRT BS: 6118

WCRT STBA: 6667
Time: 3
Task number: 101
WCRT BS: 6118

REAL DATA (100):

WCRT GA: 5761
Time: 270.8424279689789
solution: {7: 130, 8: 32, 10: 140, 11: 286, 12: 252, 14: 170, 15: 90, 16: 24, 17: 20, 20: 40, 21: 429, 22: 13, 25: 323, 26: 221, 29: 299, 158: 108, 49: 12, 50: 364, 115: 1}
Task number: 100
WCRT BS: 5761

WCRT STBA: 6320
Time: 3
Task number: 100
WCRT BS: 5761

REAL DATA (95):

WCRT GA: 6277
Time: 257.9123840332031
solution: {7: 130, 8: 32, 10: 140, 11: 286, 12: 252, 14: 170, 15: 90, 16: 24, 17: 20, 20: 40, 21: 429, 22: 13, 25: 323, 26: 221, 29: 299, 158: 108, 162: 1500, 47: 224, 49: 12, 50: 364, 115: 1}
Task number: 95
WCRT BS: 6277

WCRT STBA: 6826
Time: 3
Task number: 95
WCRT BS: 6277

REAL DATA (69):

WCRT GA: 7411
Time: 275.76308584213257
solution: {7: 130, 10: 140, 12: 252, 15: 90, 80: 13, 16: 24, 17: 20, 20: 40, 21: 429, 22: 13, 87: 0, 25: 323, 26: 221, 158: 108, 162: 1500, 115: 1}
Task number: 69
WCRT BS: 7411

WCRT STBA: 7633
Time: 3
Task number: 69
WCRT BS: 7411