

Results for instances from collection
Standard-QKP

File jeu_100_025_01.txt

Property of graph	Value
Nodes (n)	100
Density (Δ)	25.0 %
Edges (m)	1,308

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
25.9	18,558.0	0.25	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	2.1	11.2	0.3	0.4	0.6	8.0
Avg		0.25	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	2.1	11.2	0.3	0.4	0.6	8.0
Min		0.25	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	2.1	11.2	0.3	0.4	0.6	8.0
Max		0.25	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	2.1	11.2	0.3	0.4	0.6	8.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	18
Running time in seconds for writing input file (t^{write})	0.0025
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0150
Running time in seconds for reading result file (t^{read})	0.0006

File jeu_100_025_02.txt

Property of graph	Value
Nodes (n)	100
Density (Δ)	25.0 %
Edges (m)	1,268

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
85.5	56,525.0	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.5	39.7	0.4	0.2	0.1	1.0
Avg		0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.5	39.7	0.4	0.2	0.1	1.0
Min		0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.5	39.7	0.4	0.2	0.1	1.0
Max		0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.5	39.7	0.4	0.2	0.1	1.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	11
Running time in seconds for writing input file (t^{write})	0.0024
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0000
Running time in seconds for reading result file (t^{read})	0.0006

File jeu_100_025_03.txt

Property of graph	Value
Nodes (n)	100
Density (Δ)	25.0 %
Edges (m)	1,277

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
6.3	3,752.0	1.35	0.94	0.00	0.00	1.43	0.00	0.00	0.00	0.00	0.0	1.5	2.6	0.2	0.3	0.3	2.0
Avg		1.35	0.94	0.00	0.00	1.43	0.00	0.00	0.00	0.00	0.0	1.5	2.6	0.2	0.3	0.3	2.0
Min		1.35	0.94	0.00	0.00	1.43	0.00	0.00	0.00	0.00	0.0	1.5	2.6	0.2	0.3	0.3	2.0
Max		1.35	0.94	0.00	0.00	1.43	0.00	0.00	0.00	0.00	0.0	1.5	2.6	0.2	0.3	0.3	2.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	8
Running time in seconds for writing input file (t^{write})	0.0025
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0000
Running time in seconds for reading result file (t^{read})	0.0006

File jeu_100_025_04.txt

Property of graph	Value
Nodes (n)	100
Density (Δ)	25.0 %
Edges (m)	1,311

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
76.2	50,382.0	0.00	0.00	0.00	0.17	0.45	0.00	0.00	0.00	0.00	0.2	0.6	39.7	0.4	0.2	1.2	3.0
Avg		0.00	0.00	0.00	0.17	0.45	0.00	0.00	0.00	0.00	0.2	0.6	39.7	0.4	0.2	1.2	3.0
Min		0.00	0.00	0.00	0.17	0.45	0.00	0.00	0.00	0.00	0.2	0.6	39.7	0.4	0.2	1.2	3.0
Max		0.00	0.00	0.00	0.17	0.45	0.00	0.00	0.00	0.00	0.2	0.6	39.7	0.4	0.2	1.2	3.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	7
Running time in seconds for writing input file (t^{write})	0.0025
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0150
Running time in seconds for reading result file (t^{read})	0.0050

File jeu_100_025_05.txt

Property of graph	Value
Nodes (n)	100
Density (Δ)	25.0 %
Edges (m)	1,276

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
93.4	61,494.0	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.2	0.3	42.4	0.4	0.1	0.1	2.0
Avg		0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.2	0.3	42.4	0.4	0.1	0.1	2.0
Min		0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.2	0.3	42.4	0.4	0.1	0.1	2.0
Max		0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.2	0.3	42.4	0.4	0.1	0.1	2.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	10
Running time in seconds for writing input file (t^{write})	0.0024
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0000
Running time in seconds for reading result file (t^{read})	0.0005

File jeu_100_025_06.txt

Property of graph	Value
Nodes (n)	100
Density (Δ)	25.0 %
Edges (m)	1,274

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
54.0	36,360.0	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	1.2	21.5	0.3	0.9	0.4	2.0
Avg		0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	1.2	21.5	0.3	0.9	0.4	2.0
Min		0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	1.2	21.5	0.3	0.9	0.4	2.0
Max		0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	1.2	21.5	0.3	0.9	0.4	2.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	18
Running time in seconds for writing input file (t^{write})	0.0024
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0000
Running time in seconds for reading result file (t^{read})	0.0006

File jeu_100_025_07.txt

Property of graph	Value
Nodes (n)	100
Density (Δ)	25.0 %
Edges (m)	1,287

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
19.0	14,657.0	1.56	0.77	0.00	0.00	0.54	0.00	0.00	0.00	0.00	0.1	1.9	7.8	0.3	0.4	0.2	4.0
Avg		1.56	0.77	0.00	0.00	0.54	0.00	0.00	0.00	0.00	0.1	1.9	7.8	0.3	0.4	0.2	4.0
Min		1.56	0.77	0.00	0.00	0.54	0.00	0.00	0.00	0.00	0.1	1.9	7.8	0.3	0.4	0.2	4.0
Max		1.56	0.77	0.00	0.00	0.54	0.00	0.00	0.00	0.00	0.1	1.9	7.8	0.3	0.4	0.2	4.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	19
Running time in seconds for writing input file (t^{write})	0.0024
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0000
Running time in seconds for reading result file (t^{read})	0.0005

File jeu_100_025_08.txt

Property of graph	Value
Nodes (n)	100
Density (Δ)	25.0 %
Edges (m)	1,268

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
26.2	20,452.0	1.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	2.5	10.4	0.3	0.2	0.1	1.0
Avg		1.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	2.5	10.4	0.3	0.2	0.1	1.0
Min		1.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	2.5	10.4	0.3	0.2	0.1	1.0
Max		1.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	2.5	10.4	0.3	0.2	0.1	1.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	30
Running time in seconds for writing input file (t^{write})	0.0024
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0000
Running time in seconds for reading result file (t^{read})	0.0055

File jeu_100_025_09.txt

Property of graph	Value
Nodes (n)	100
Density (Δ)	25.0 %
Edges (m)	1,228

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
56.8	35,438.0	0.19	0.19	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.1	1.0	27.3	0.4	0.2	0.2	2.0
Avg		0.19	0.19	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.1	1.0	27.3	0.4	0.2	0.2	2.0
Min		0.19	0.19	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.1	1.0	27.3	0.4	0.2	0.2	2.0
Max		0.19	0.19	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.1	1.0	27.3	0.4	0.2	0.2	2.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	10
Running time in seconds for writing input file (t^{write})	0.0023
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0000
Running time in seconds for reading result file (t^{read})	0.0005

File jeu_100_025_10.txt

Property of graph	Value
Nodes (n)	100
Density (Δ)	25.0 %
Edges (m)	1,240

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
39.9	24,930.0	0.74	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	1.4	17.3	0.3	0.3	1.3	8.0
Avg		0.74	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	1.4	17.3	0.3	0.3	1.3	8.0
Min		0.74	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	1.4	17.3	0.3	0.3	1.3	8.0
Max		0.74	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	1.4	17.3	0.3	0.3	1.3	8.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	7
Running time in seconds for writing input file (t^{write})	0.0024
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0000
Running time in seconds for reading result file (t^{read})	0.0005

File jeu_100_050_01.txt

Property of graph	Value
Nodes (n)	100
Density (Δ)	50.0 %
Edges (m)	2,569

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
62.1	83,742.0	1.21	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	1.0	26.0	0.4	0.2	1.1	11.0
Avg		1.21	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	1.0	26.0	0.4	0.2	1.1	11.0
Min		1.21	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	1.0	26.0	0.4	0.2	1.1	11.0
Max		1.21	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	1.0	26.0	0.4	0.2	1.1	11.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	8
Running time in seconds for writing input file (t^{write})	0.0041
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0160
Running time in seconds for reading result file (t^{read})	0.0005

File jeu_100_050_02.txt

Property of graph	Value
Nodes (n)	100
Density (Δ)	50.0 %
Edges (m)	2,599

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
78.9	104,856.0	0.45	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.7	33.3	0.4	0.3	2.6	27.0
Avg		0.45	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.7	33.3	0.4	0.3	2.6	27.0
Min		0.45	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.7	33.3	0.4	0.3	2.6	27.0
Max		0.45	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.7	33.3	0.4	0.3	2.6	27.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	6
Running time in seconds for writing input file (t^{write})	0.0043
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0000
Running time in seconds for reading result file (t^{read})	0.0052

File jeu_100_050_03.txt

Property of graph	Value
Nodes (n)	100
Density (Δ)	50.0 %
Edges (m)	2,568

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
24.1	34,006.0	0.31	0.20	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.1	2.0	8.9	0.3	0.4	2.2	9.0
Avg		0.31	0.20	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.1	2.0	8.9	0.3	0.4	2.2	9.0
Min		0.31	0.20	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.1	2.0	8.9	0.3	0.4	2.2	9.0
Max		0.31	0.20	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.1	2.0	8.9	0.3	0.4	2.2	9.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	14
Running time in seconds for writing input file (t^{write})	0.0043
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0150
Running time in seconds for reading result file (t^{read})	0.0055

File jeu_100_050_04.txt

Property of graph	Value
Nodes (n)	100
Density (Δ)	50.0 %
Edges (m)	2,541

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
82.8	105,996.0	0.11	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.2	0.5	34.9	0.4	0.2	0.9	5.0
Avg		0.11	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.2	0.5	34.9	0.4	0.2	0.9	5.0
Min		0.11	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.2	0.5	34.9	0.4	0.2	0.9	5.0
Max		0.11	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.2	0.5	34.9	0.4	0.2	0.9	5.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	7
Running time in seconds for writing input file (t^{write})	0.0042
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0000
Running time in seconds for reading result file (t^{read})	0.0048

File jeu_100_050_05.txt

Property of graph	Value
Nodes (n)	100
Density (Δ)	50.0 %
Edges (m)	2,532

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
42.0	56,464.0	0.13	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	1.8	16.1	0.3	0.8	3.5	10.0
Avg		0.13	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	1.8	16.1	0.3	0.8	3.5	10.0
Min		0.13	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	1.8	16.1	0.3	0.8	3.5	10.0
Max		0.13	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	1.8	16.1	0.3	0.8	3.5	10.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	14
Running time in seconds for writing input file (t^{write})	0.0042
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0000
Running time in seconds for reading result file (t^{read})	0.0056

File jeu_100_050_06.txt

Property of graph	Value
Nodes (n)	100
Density (Δ)	50.0 %
Edges (m)	2,523

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
13.5	16,083.0	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	1.9	5.3	0.2	0.3	1.2	7.0
Avg		0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	1.9	5.3	0.2	0.3	1.2	7.0
Min		0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	1.9	5.3	0.2	0.3	1.2	7.0
Max		0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	1.9	5.3	0.2	0.3	1.2	7.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	7
Running time in seconds for writing input file (t^{write})	0.0042
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0160
Running time in seconds for reading result file (t^{read})	0.0055

File jeu_100_050_07.txt

Property of graph	Value
Nodes (n)	100
Density (Δ)	50.0 %
Edges (m)	2,555

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
40.7	52,819.0	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	1.9	17.5	0.3	0.4	0.7	6.0
Avg		0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	1.9	17.5	0.3	0.4	0.7	6.0
Min		0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	1.9	17.5	0.3	0.4	0.7	6.0
Max		0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	1.9	17.5	0.3	0.4	0.7	6.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	3
Running time in seconds for writing input file (t^{write})	0.0042
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0150
Running time in seconds for reading result file (t^{read})	0.0049

File jeu_100_050_08.txt

Property of graph	Value
Nodes (n)	100
Density (Δ)	50.0 %
Edges (m)	2,517

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
41.6	54,246.0	0.85	0.42	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.1	1.3	18.1	0.3	0.3	2.3	12.0
Avg		0.85	0.42	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.1	1.3	18.1	0.3	0.3	2.3	12.0
Min		0.85	0.42	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.1	1.3	18.1	0.3	0.3	2.3	12.0
Max		0.85	0.42	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.1	1.3	18.1	0.3	0.3	2.3	12.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	12
Running time in seconds for writing input file (t^{write})	0.0041
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0000
Running time in seconds for reading result file (t^{read})	0.0047

File jeu_100_050_09.txt

Property of graph	Value
Nodes (n)	100
Density (Δ)	50.0 %
Edges (m)	2,502

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
55.0	68,974.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.1	1.1	23.4	0.3	0.3	4.0	7.0
Avg		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.1	1.1	23.4	0.3	0.3	4.0	7.0
Min		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.1	1.1	23.4	0.3	0.3	4.0	7.0
Max		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.1	1.1	23.4	0.3	0.3	4.0	7.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	4
Running time in seconds for writing input file (t^{write})	0.0043
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0000
Running time in seconds for reading result file (t^{read})	0.0054

File jeu_100_050_10.txt

Property of graph	Value
Nodes (n)	100
Density (Δ)	50.0 %
Edges (m)	2,514

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
70.2	88,634.0	0.59	0.45	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.2	0.7	32.5	0.4	0.3	18.6	120.0
Avg		0.59	0.45	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.2	0.7	32.5	0.4	0.3	18.6	120.0
Min		0.59	0.45	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.2	0.7	32.5	0.4	0.3	18.6	120.0
Max		0.59	0.45	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.2	0.7	32.5	0.4	0.3	18.6	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	4
Running time in seconds for writing input file (t^{write})	0.0042
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0000
Running time in seconds for reading result file (t^{read})	0.0053

File jeu_100_075_01.txt

Property of graph	Value
Nodes (n)	100
Density (Δ)	75.0 %
Edges (m)	3,821

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
98.3	189,137.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.1	39.6	0.4	0.1	0.2	2.0
Avg		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.1	39.6	0.4	0.1	0.2	2.0
Min		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.1	39.6	0.4	0.1	0.2	2.0
Max		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.1	39.6	0.4	0.1	0.2	2.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	8
Running time in seconds for writing input file (t^{write})	0.0059
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0000
Running time in seconds for reading result file (t^{read})	0.0005

File jeu_100_075_02.txt

Property of graph	Value
Nodes (n)	100
Density (Δ)	75.0 %
Edges (m)	3,812

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
50.2	95,074.0	1.51	0.84	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.1	1.1	22.8	0.3	0.2	27.2	120.0
Avg		1.51	0.84	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.1	1.1	22.8	0.3	0.2	27.2	120.0
Min		1.51	0.84	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.1	1.1	22.8	0.3	0.2	27.2	120.0
Max		1.51	0.84	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.1	1.1	22.8	0.3	0.2	27.2	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	7
Running time in seconds for writing input file (t^{write})	0.0060
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0000
Running time in seconds for reading result file (t^{read})	0.0005

File jeu_100_075_03.txt

Property of graph	Value
Nodes (n)	100
Density (Δ)	75.0 %
Edges (m)	3,836

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
32.9	62,098.0	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	1.8	13.8	0.3	0.3	3.5	14.0
Avg		0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	1.8	13.8	0.3	0.3	3.5	14.0
Min		0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	1.8	13.8	0.3	0.3	3.5	14.0
Max		0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	1.8	13.8	0.3	0.3	3.5	14.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	6
Running time in seconds for writing input file (t^{write})	0.0060
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0000
Running time in seconds for reading result file (t^{read})	0.0005

File jeu_100_075_04.txt

Property of graph	Value
Nodes (n)	100
Density (Δ)	75.0 %
Edges (m)	3,776

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
38.1	72,245.0	1.43	0.84	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.1	1.5	16.6	0.3	0.5	18.2	120.0
Avg		1.43	0.84	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.1	1.5	16.6	0.3	0.5	18.2	120.0
Min		1.43	0.84	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.1	1.5	16.6	0.3	0.5	18.2	120.0
Max		1.43	0.84	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.1	1.5	16.6	0.3	0.5	18.2	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	10
Running time in seconds for writing input file (t^{write})	0.0059
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0150
Running time in seconds for reading result file (t^{read})	0.0005

File jeu_100_075_05.txt

Property of graph	Value
Nodes (n)	100
Density (Δ)	75.0 %
Edges (m)	3,805

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
14.8	27,616.0	1.41	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	2.3	5.7	0.2	0.2	2.6	35.0
Avg		1.41	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	2.3	5.7	0.2	0.2	2.6	35.0
Min		1.41	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	2.3	5.7	0.2	0.2	2.6	35.0
Max		1.41	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	2.3	5.7	0.2	0.2	2.6	35.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	4
Running time in seconds for writing input file (t^{write})	0.0060
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0150
Running time in seconds for reading result file (t^{read})	0.0005

File jeu_100_075_06.txt

Property of graph	Value
Nodes (n)	100
Density (Δ)	75.0 %
Edges (m)	3,824

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
74.0	145,273.0	0.42	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.8	31.8	0.4	0.2	1.0	9.0
Avg		0.42	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.8	31.8	0.4	0.2	1.0	9.0
Min		0.42	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.8	31.8	0.4	0.2	1.0	9.0
Max		0.42	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.8	31.8	0.4	0.2	1.0	9.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	10
Running time in seconds for writing input file (t^{write})	0.0059
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0000
Running time in seconds for reading result file (t^{read})	0.0005

File jeu_100_075_07.txt

Property of graph	Value
Nodes (n)	100
Density (Δ)	75.0 %
Edges (m)	3,852

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
56.8	110,979.0	0.65	0.35	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.1	1.1	23.4	0.3	0.6	13.6	120.0
Avg		0.65	0.35	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.1	1.1	23.4	0.3	0.6	13.6	120.0
Min		0.65	0.35	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.1	1.1	23.4	0.3	0.6	13.6	120.0
Max		0.65	0.35	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.1	1.1	23.4	0.3	0.6	13.6	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	6
Running time in seconds for writing input file (t^{write})	0.0060
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0000
Running time in seconds for reading result file (t^{read})	0.0005

File jeu_100_075_08.txt

Property of graph	Value
Nodes (n)	100
Density (Δ)	75.0 %
Edges (m)	3,793

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
13.2	19,570.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	2.0	5.9	0.2	0.3	6.2	120.0
Avg		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	2.0	5.9	0.2	0.3	6.2	120.0
Min		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	2.0	5.9	0.2	0.3	6.2	120.0
Max		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	2.0	5.9	0.2	0.3	6.2	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	2
Running time in seconds for writing input file (t^{write})	0.0062
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0150
Running time in seconds for reading result file (t^{read})	0.0005

File jeu_100_075_09.txt

Property of graph	Value
Nodes (n)	100
Density (Δ)	75.0 %
Edges (m)	3,795

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
56.6	104,341.0	1.63	1.08	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.1	1.1	26.7	0.4	0.3	69.1	120.0
Avg		1.63	1.08	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.1	1.1	26.7	0.4	0.3	69.1	120.0
Min		1.63	1.08	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.1	1.1	26.7	0.4	0.3	69.1	120.0
Max		1.63	1.08	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.1	1.1	26.7	0.4	0.3	69.1	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	2
Running time in seconds for writing input file (t^{write})	0.0060
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0000
Running time in seconds for reading result file (t^{read})	0.0005

File jeu_100_075_10.txt

Property of graph	Value
Nodes (n)	100
Density (Δ)	75.0 %
Edges (m)	3,759

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
75.4	143,740.0	0.50	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.7	32.3	0.4	0.2	4.2	15.0
Avg		0.50	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.7	32.3	0.4	0.2	4.2	15.0
Min		0.50	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.7	32.3	0.4	0.2	4.2	15.0
Max		0.50	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.7	32.3	0.4	0.2	4.2	15.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	10
Running time in seconds for writing input file (t^{write})	0.0059
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0160
Running time in seconds for reading result file (t^{read})	0.0006

File jeu_100_100_01.txt

Property of graph	Value
Nodes (n)	100
Density (Δ)	100.0 %
Edges (m)	5,050

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
28.3	81,978.0	0.27	0.02	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.1	1.9	10.0	0.3	0.2	3.8	75.0
Avg		0.27	0.02	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.1	1.9	10.0	0.3	0.2	3.8	75.0
Min		0.27	0.02	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.1	1.9	10.0	0.3	0.2	3.8	75.0
Max		0.27	0.02	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.1	1.9	10.0	0.3	0.2	3.8	75.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	18
Running time in seconds for writing input file (t^{write})	0.0075
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0000
Running time in seconds for reading result file (t^{read})	0.0055

File jeu_100_100_02.txt

Property of graph	Value
Nodes (n)	100
Density (Δ)	100.0 %
Edges (m)	5,050

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
75.7	190,424.0	0.62	0.30	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.2	0.7	30.6	0.4	0.2	28.8	120.0
Avg		0.62	0.30	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.2	0.7	30.6	0.4	0.2	28.8	120.0
Min		0.62	0.30	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.2	0.7	30.6	0.4	0.2	28.8	120.0
Max		0.62	0.30	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.2	0.7	30.6	0.4	0.2	28.8	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	3
Running time in seconds for writing input file (t^{write})	0.0074
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0000
Running time in seconds for reading result file (t^{read})	0.0005

File jeu_100_100_03.txt

Property of graph	Value
Nodes (n)	100
Density (Δ)	100.0 %
Edges (m)	5,050

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
88.9	225,434.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.5	36.9	0.4	0.2	1.8	13.0
Avg		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.5	36.9	0.4	0.2	1.8	13.0
Min		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.5	36.9	0.4	0.2	1.8	13.0
Max		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.5	36.9	0.4	0.2	1.8	13.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	5
Running time in seconds for writing input file (t^{write})	0.0081
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0000
Running time in seconds for reading result file (t^{read})	0.0005

File jeu_100_100_04.txt

Property of graph	Value
Nodes (n)	100
Density (Δ)	100.0 %
Edges (m)	5,050

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
23.3	63,028.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	2.2	9.0	0.3	0.2	1.5	29.0
Avg		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	2.2	9.0	0.3	0.2	1.5	29.0
Min		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	2.2	9.0	0.3	0.2	1.5	29.0
Max		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	2.2	9.0	0.3	0.2	1.5	29.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	6
Running time in seconds for writing input file (t^{write})	0.0073
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0150
Running time in seconds for reading result file (t^{read})	0.0005

File jeu_100_100_05.txt

Property of graph	Value
Nodes (n)	100
Density (Δ)	100.0 %
Edges (m)	5,050

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
89.0	230,076.0	0.18	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.4	37.1	0.4	0.2	1.8	18.0
Avg		0.18	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.4	37.1	0.4	0.2	1.8	18.0
Min		0.18	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.4	37.1	0.4	0.2	1.8	18.0
Max		0.18	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.4	37.1	0.4	0.2	1.8	18.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	4
Running time in seconds for writing input file (t^{write})	0.0074
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0150
Running time in seconds for reading result file (t^{read})	0.0005

File jeu_100_100_06.txt

Property of graph	Value
Nodes (n)	100
Density (Δ)	100.0 %
Edges (m)	5,050

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
29.6	74,358.0	0.38	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	1.9	11.8	0.3	0.2	6.9	64.0
Avg		0.38	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	1.9	11.8	0.3	0.2	6.9	64.0
Min		0.38	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	1.9	11.8	0.3	0.2	6.9	64.0
Max		0.38	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	1.9	11.8	0.3	0.2	6.9	64.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	6
Running time in seconds for writing input file (t^{write})	0.0076
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0000
Running time in seconds for reading result file (t^{read})	0.0005

File jeu_100_100_07.txt

Property of graph	Value
Nodes (n)	100
Density (Δ)	100.0 %
Edges (m)	5,050

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
4.1	10,330.0	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	1.6	1.6	0.2	0.2	1.5	6.0
Avg		2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	1.6	1.6	0.2	0.2	1.5	6.0
Min		2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	1.6	1.6	0.2	0.2	1.5	6.0
Max		2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	1.6	1.6	0.2	0.2	1.5	6.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	3
Running time in seconds for writing input file (t^{write})	0.0078
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0000
Running time in seconds for reading result file (t^{read})	0.0006

File jeu_100_100_08.txt

Property of graph	Value
Nodes (n)	100
Density (Δ)	100.0 %
Edges (m)	5,050

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
24.5	62,582.0	0.53	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	1.7	10.2	0.3	0.2	3.3	21.0
Avg		0.53	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	1.7	10.2	0.3	0.2	3.3	21.0
Min		0.53	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	1.7	10.2	0.3	0.2	3.3	21.0
Max		0.53	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1	1.7	10.2	0.3	0.2	3.3	21.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	5
Running time in seconds for writing input file (t^{write})	0.0073
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0160
Running time in seconds for reading result file (t^{read})	0.0005

File jeu_100_100_09.txt

Property of graph	Value
Nodes (n)	100
Density (Δ)	100.0 %
Edges (m)	5,050

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
91.7	232,754.0	0.58	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.3	35.7	0.4	0.2	89.0	120.0
Avg		0.58	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.3	35.7	0.4	0.2	89.0	120.0
Min		0.58	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.3	35.7	0.4	0.2	89.0	120.0
Max		0.58	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.3	35.7	0.4	0.2	89.0	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	5
Running time in seconds for writing input file (t^{write})	0.0075
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0150
Running time in seconds for reading result file (t^{read})	0.0005

File jeu_100_100_10.txt

Property of graph	Value
Nodes (n)	100
Density (Δ)	100.0 %
Edges (m)	5,050

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
74.8	193,262.0	0.88	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.6	29.5	0.3	0.2	120.1	120.0
Avg		0.88	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.6	29.5	0.3	0.2	120.1	120.0
Min		0.88	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.6	29.5	0.3	0.2	120.1	120.0
Max		0.88	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.6	29.5	0.3	0.2	120.1	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	6
Running time in seconds for writing input file (t^{write})	0.0073
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0000
Running time in seconds for reading result file (t^{read})	0.0005

File jeu_200_025_01.txt

Property of graph	Value
Nodes (n)	200
Density (Δ)	25.0 %
Edges (m)	5,195

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
77.7	204,441.0	0.07	0.06	0.00	—	0.00	0.00	0.00	0.00	0.01	0.8	1.5	120.0	2.8	1.1	11.0	83.0
Avg		0.07	0.06	0.00	—	0.00	0.00	0.00	0.00	0.01	0.8	1.5	120.0	2.8	1.1	11.0	83.0
Min		0.07	0.06	0.00	—	0.00	0.00	0.00	0.00	0.01	0.8	1.5	120.0	2.8	1.1	11.0	83.0
Max		0.07	0.06	0.00	—	0.00	0.00	0.00	0.00	0.01	0.8	1.5	120.0	2.8	1.1	11.0	83.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	5
Running time in seconds for writing input file (t^{write})	0.0082
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0000
Running time in seconds for reading result file (t^{read})	0.0009

File jeu_200_025_02.txt

Property of graph	Value
Nodes (n)	200
Density (Δ)	25.0 %
Edges (m)	5,069

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
91.4	239,573.0	0.01	0.01	0.00	—	0.00	0.00	0.00	0.00	0.00	0.9	1.0	120.0	2.8	0.8	0.8	44.0
Avg		0.01	0.01	0.00	—	0.00	0.00	0.00	0.00	0.00	0.9	1.0	120.0	2.8	0.8	0.8	44.0
Min		0.01	0.01	0.00	—	0.00	0.00	0.00	0.00	0.00	0.9	1.0	120.0	2.8	0.8	0.8	44.0
Max		0.01	0.01	0.00	—	0.00	0.00	0.00	0.00	0.00	0.9	1.0	120.0	2.8	0.8	0.8	44.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	16
Running time in seconds for writing input file (t^{write})	0.0080
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0150
Running time in seconds for reading result file (t^{read})	0.0010

File jeu_200_025_03.txt

Property of graph	Value
Nodes (n)	200
Density (Δ)	25.0 %
Edges (m)	5,038

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
95.1	245,463.0	0.61	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.9	0.7	120.0	2.7	0.6	0.8	22.0
Avg		0.61	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.9	0.7	120.0	2.7	0.6	0.8	22.0
Min		0.61	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.9	0.7	120.0	2.7	0.6	0.8	22.0
Max		0.61	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.9	0.7	120.0	2.7	0.6	0.8	22.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	17
Running time in seconds for writing input file (t^{write})	0.0080
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0160
Running time in seconds for reading result file (t^{read})	0.0010

File jeu_200_025_04.txt

Property of graph	Value
Nodes (n)	200
Density (Δ)	25.0 %
Edges (m)	5,153

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
85.2	222,361.0	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.01	0.8	1.4	120.0	2.9	1.8	7.1	34.0
Avg		0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.01	0.8	1.4	120.0	2.9	1.8	7.1	34.0
Min		0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.01	0.8	1.4	120.0	2.9	1.8	7.1	34.0
Max		0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.01	0.8	1.4	120.0	2.9	1.8	7.1	34.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	6
Running time in seconds for writing input file (t^{write})	0.0083
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0000
Running time in seconds for reading result file (t^{read})	0.0008

File jeu_200_025_05.txt

Property of graph	Value
Nodes (n)	200
Density (Δ)	25.0 %
Edges (m)	5,024

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
72.4	187,324.0	0.25	0.07	0.00	—	0.00	0.00	0.00	0.00	0.01	0.7	1.6	120.0	2.8	2.6	4.0	41.0
Avg		0.25	0.07	0.00	—	0.00	0.00	0.00	0.00	0.01	0.7	1.6	120.0	2.8	2.6	4.0	41.0
Min		0.25	0.07	0.00	—	0.00	0.00	0.00	0.00	0.01	0.7	1.6	120.0	2.8	2.6	4.0	41.0
Max		0.25	0.07	0.00	—	0.00	0.00	0.00	0.00	0.01	0.7	1.6	120.0	2.8	2.6	4.0	41.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	13
Running time in seconds for writing input file (t^{write})	0.0079
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0150
Running time in seconds for reading result file (t^{read})	0.0009

File jeu_200_025_06.txt

Property of graph	Value
Nodes (n)	200
Density (Δ)	25.0 %
Edges (m)	5,111

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
32.7	80,351.0	0.46	0.24	0.00	—	0.11	—	0.00	0.00	0.01	0.5	4.6	120.0	3.1	120.0	33.7	120.0
Avg		0.46	0.24	0.00	—	0.11	—	0.00	0.00	0.01	0.5	4.6	120.0	3.1	120.0	33.7	120.0
Min		0.46	0.24	0.00	—	0.11	—	0.00	0.00	0.01	0.5	4.6	120.0	3.1	120.0	33.7	120.0
Max		0.46	0.24	0.00	—	0.11	—	0.00	0.00	0.01	0.5	4.6	120.0	3.1	120.0	33.7	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	9
Running time in seconds for writing input file (t^{write})	0.0081
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0150
Running time in seconds for reading result file (t^{read})	0.0008

File jeu_200_025_07.txt

Property of graph	Value
Nodes (n)	200
Density (Δ)	25.0 %
Edges (m)	4,981

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
23.4	59,036.0	0.30	0.06	0.00	—	0.00	—	0.00	0.00	0.01	0.4	4.8	120.0	2.8	120.0	8.1	87.0
Avg		0.30	0.06	0.00	—	0.00	—	0.00	0.00	0.01	0.4	4.8	120.0	2.8	120.0	8.1	87.0
Min		0.30	0.06	0.00	—	0.00	—	0.00	0.00	0.01	0.4	4.8	120.0	2.8	120.0	8.1	87.0
Max		0.30	0.06	0.00	—	0.00	—	0.00	0.00	0.01	0.4	4.8	120.0	2.8	120.0	8.1	87.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	13
Running time in seconds for writing input file (t^{write})	0.0080
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0150
Running time in seconds for reading result file (t^{read})	0.0010

File jeu_200_025_08.txt

Property of graph	Value
Nodes (n)	200
Density (Δ)	25.0 %
Edges (m)	4,933

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
56.9	149,433.0	0.11	0.10	0.00	—	0.03	0.00	0.00	0.00	0.00	0.7	3.0	120.0	3.1	0.9	3.8	120.0
Avg		0.11	0.10	0.00	—	0.03	0.00	0.00	0.00	0.00	0.7	3.0	120.0	3.1	0.9	3.8	120.0
Min		0.11	0.10	0.00	—	0.03	0.00	0.00	0.00	0.00	0.7	3.0	120.0	3.1	0.9	3.8	120.0
Max		0.11	0.10	0.00	—	0.03	0.00	0.00	0.00	0.00	0.7	3.0	120.0	3.1	0.9	3.8	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	19
Running time in seconds for writing input file (t^{write})	0.0079
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0000
Running time in seconds for reading result file (t^{read})	0.0008

File jeu_200_025_09.txt

Property of graph	Value
Nodes (n)	200
Density (Δ)	25.0 %
Edges (m)	4,905

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
19.5	49,366.0	0.15	0.15	0.00	—	0.08	0.00	0.00	0.00	0.00	0.4	5.4	120.0	2.7	31.1	7.0	80.0
Avg		0.15	0.15	0.00	—	0.08	0.00	0.00	0.00	0.00	0.4	5.4	120.0	2.7	31.1	7.0	80.0
Min		0.15	0.15	0.00	—	0.08	0.00	0.00	0.00	0.00	0.4	5.4	120.0	2.7	31.1	7.0	80.0
Max		0.15	0.15	0.00	—	0.08	0.00	0.00	0.00	0.00	0.4	5.4	120.0	2.7	31.1	7.0	80.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	15
Running time in seconds for writing input file (t^{write})	0.0079
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0160
Running time in seconds for reading result file (t^{read})	0.0009

File jeu_200_025_10.txt

Property of graph	Value
Nodes (n)	200
Density (Δ)	25.0 %
Edges (m)	4,927

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
18.6	48,459.0	0.45	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.4	3.9	120.0	2.5	1.8	1.3	15.0
Avg		0.45	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.4	3.9	120.0	2.5	1.8	1.3	15.0
Min		0.45	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.4	3.9	120.0	2.5	1.8	1.3	15.0
Max		0.45	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.4	3.9	120.0	2.5	1.8	1.3	15.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	8
Running time in seconds for writing input file (t^{write})	0.0078
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0150
Running time in seconds for reading result file (t^{read})	0.0010

File jeu_200_050_01.txt

Property of graph	Value
Nodes (n)	200
Density (Δ)	50.0 %
Edges (m)	10,121

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
71.6	372,097.0	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.7	2.2	120.0	2.9	1.1	1.3	39.0
Avg		0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.7	2.2	120.0	2.9	1.1	1.3	39.0
Min		0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.7	2.2	120.0	2.9	1.1	1.3	39.0
Max		0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.7	2.2	120.0	2.9	1.1	1.3	39.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	9
Running time in seconds for writing input file (t^{write})	0.0153
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0150
Running time in seconds for reading result file (t^{read})	0.0008

File jeu_200_050_02.txt

Property of graph	Value
Nodes (n)	200
Density (Δ)	50.0 %
Edges (m)	10,146

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
42.8	211,130.0	0.73	0.07	0.00	—	0.01	—	0.00	0.01	0.01	0.6	4.8	120.0	3.2	120.0	120.3	120.0
Avg		0.73	0.07	0.00	—	0.01	—	0.00	0.01	0.01	0.6	4.8	120.0	3.2	120.0	120.3	120.0
Min		0.73	0.07	0.00	—	0.01	—	0.00	0.01	0.01	0.6	4.8	120.0	3.2	120.0	120.3	120.0
Max		0.73	0.07	0.00	—	0.01	—	0.00	0.01	0.01	0.6	4.8	120.0	3.2	120.0	120.3	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	5
Running time in seconds for writing input file (t^{write})	0.0153
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0150
Running time in seconds for reading result file (t^{read})	0.0009

File jeu_200_050_03.txt

Property of graph	Value
Nodes (n)	200
Density (Δ)	50.0 %
Edges (m)	10,000

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
43.2	227,185.0	0.39	0.12	0.00	—	0.01	0.00	0.00	0.00	0.00	0.6	3.4	120.0	2.9	1.7	23.0	120.0
Avg		0.39	0.12	0.00	—	0.01	0.00	0.00	0.00	0.00	0.6	3.4	120.0	2.9	1.7	23.0	120.0
Min		0.39	0.12	0.00	—	0.01	0.00	0.00	0.00	0.00	0.6	3.4	120.0	2.9	1.7	23.0	120.0
Max		0.39	0.12	0.00	—	0.01	0.00	0.00	0.00	0.00	0.6	3.4	120.0	2.9	1.7	23.0	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	5
Running time in seconds for writing input file (t^{write})	0.0152
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0160
Running time in seconds for reading result file (t^{read})	0.0069

File jeu_200_050_04.txt

Property of graph	Value
Nodes (n)	200
Density (Δ)	50.0 %
Edges (m)	10,096

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
43.1	228,572.0	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.6	3.5	120.0	2.9	1.0	1.6	38.0
Avg		0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.6	3.5	120.0	2.9	1.0	1.6	38.0
Min		0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.6	3.5	120.0	2.9	1.0	1.6	38.0
Max		0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.6	3.5	120.0	2.9	1.0	1.6	38.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	11
Running time in seconds for writing input file (t^{write})	0.0152
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0160
Running time in seconds for reading result file (t^{read})	0.0010

File jeu_200_050_05.txt

Property of graph	Value
Nodes (n)	200
Density (Δ)	50.0 %
Edges (m)	10,017

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
94.0	479,651.0	0.14	0.11	0.00	—	0.00	0.00	0.00	0.00	0.01	0.9	0.8	120.0	2.5	0.8	49.2	120.0
Avg		0.14	0.11	0.00	—	0.00	0.00	0.00	0.00	0.01	0.9	0.8	120.0	2.5	0.8	49.2	120.0
Min		0.14	0.11	0.00	—	0.00	0.00	0.00	0.00	0.01	0.9	0.8	120.0	2.5	0.8	49.2	120.0
Max		0.14	0.11	0.00	—	0.00	0.00	0.00	0.00	0.01	0.9	0.8	120.0	2.5	0.8	49.2	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	12
Running time in seconds for writing input file (t^{write})	0.0154
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0160
Running time in seconds for reading result file (t^{read})	0.0009

File jeu_200_050_06.txt

Property of graph	Value
Nodes (n)	200
Density (Δ)	50.0 %
Edges (m)	10,034

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
85.2	426,777.0	0.22	0.21	0.00	—	0.01	0.00	0.00	0.01	0.01	0.9	1.1	120.0	2.8	1.8	120.4	120.0
Avg		0.22	0.21	0.00	—	0.01	0.00	0.00	0.01	0.01	0.9	1.1	120.0	2.8	1.8	120.4	120.0
Min		0.22	0.21	0.00	—	0.01	0.00	0.00	0.01	0.01	0.9	1.1	120.0	2.8	1.8	120.4	120.0
Max		0.22	0.21	0.00	—	0.01	0.00	0.00	0.01	0.01	0.9	1.1	120.0	2.8	1.8	120.4	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	11
Running time in seconds for writing input file (t^{write})	0.0153
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0000
Running time in seconds for reading result file (t^{read})	0.0072

File jeu_200_050_07.txt

Property of graph	Value
Nodes (n)	200
Density (Δ)	50.0 %
Edges (m)	10,092

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
44.9	220,890.0	0.08	0.05	0.00	—	0.07	—	0.00	0.03	0.01	0.6	3.5	120.0	3.2	120.0	120.3	120.0
Avg		0.08	0.05	0.00	—	0.07	—	0.00	0.03	0.01	0.6	3.5	120.0	3.2	120.0	120.3	120.0
Min		0.08	0.05	0.00	—	0.07	—	0.00	0.03	0.01	0.6	3.5	120.0	3.2	120.0	120.3	120.0
Max		0.08	0.05	0.00	—	0.07	—	0.00	0.03	0.01	0.6	3.5	120.0	3.2	120.0	120.3	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	5
Running time in seconds for writing input file (t^{write})	0.0152
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0160
Running time in seconds for reading result file (t^{read})	0.0009

File jeu_200_050_08.txt

Property of graph	Value
Nodes (n)	200
Density (Δ)	50.0 %
Edges (m)	9,977

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
61.9	317,952.0	0.12	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.7	2.9	120.0	3.0	2.1	5.0	66.0
Avg		0.12	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.7	2.9	120.0	3.0	2.1	5.0	66.0
Min		0.12	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.7	2.9	120.0	3.0	2.1	5.0	66.0
Max		0.12	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.7	2.9	120.0	3.0	2.1	5.0	66.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	14
Running time in seconds for writing input file (t^{write})	0.0151
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0160
Running time in seconds for reading result file (t^{read})	0.0009

File jeu_200_050_09.txt

Property of graph	Value
Nodes (n)	200
Density (Δ)	50.0 %
Edges (m)	9,955

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
21.9	104,936.0	0.06	0.18	0.00	—	0.00	0.00	0.00	0.46	0.01	0.4	4.9	120.0	2.6	1.9	45.7	120.0
Avg		0.06	0.18	0.00	—	0.00	0.00	0.00	0.46	0.01	0.4	4.9	120.0	2.6	1.9	45.7	120.0
Min		0.06	0.18	0.00	—	0.00	0.00	0.00	0.46	0.01	0.4	4.9	120.0	2.6	1.9	45.7	120.0
Max		0.06	0.18	0.00	—	0.00	0.00	0.00	0.46	0.01	0.4	4.9	120.0	2.6	1.9	45.7	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	6
Running time in seconds for writing input file (t^{write})	0.0149
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0160
Running time in seconds for reading result file (t^{read})	0.0009

File jeu_200_050_10.txt

Property of graph	Value
Nodes (n)	200
Density (Δ)	50.0 %
Edges (m)	9,967

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
54.8	284,751.0	0.01	0.01	0.00	—	0.00	0.00	0.00	0.00	0.00	0.7	2.9	120.0	3.1	4.7	19.0	120.0
Avg		0.01	0.01	0.00	—	0.00	0.00	0.00	0.00	0.00	0.7	2.9	120.0	3.1	4.7	19.0	120.0
Min		0.01	0.01	0.00	—	0.00	0.00	0.00	0.00	0.00	0.7	2.9	120.0	3.1	4.7	19.0	120.0
Max		0.01	0.01	0.00	—	0.00	0.00	0.00	0.00	0.00	0.7	2.9	120.0	3.1	4.7	19.0	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	14
Running time in seconds for writing input file (t^{write})	0.0153
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0000
Running time in seconds for reading result file (t^{read})	0.0066

File jeu_200_075_01.txt

Property of graph	Value
Nodes (n)	200
Density (Δ)	75.0 %
Edges (m)	15,043

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
58.3	442,894.0	0.58	0.37	0.00	—	0.03	0.00	0.00	0.05	0.00	0.7	3.5	120.0	2.8	1.9	61.1	120.0
Avg		0.58	0.37	0.00	—	0.03	0.00	0.00	0.05	0.00	0.7	3.5	120.0	2.8	1.9	61.1	120.0
Min		0.58	0.37	0.00	—	0.03	0.00	0.00	0.05	0.00	0.7	3.5	120.0	2.8	1.9	61.1	120.0
Max		0.58	0.37	0.00	—	0.03	0.00	0.00	0.05	0.00	0.7	3.5	120.0	2.8	1.9	61.1	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	5
Running time in seconds for writing input file (t^{write})	0.0222
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0150
Running time in seconds for reading result file (t^{read})	0.0067

File jeu_200_075_02.txt

Property of graph	Value
Nodes (n)	200
Density (Δ)	75.0 %
Edges (m)	15,092

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
40.3	286,643.0	0.89	0.29	0.00	—	0.00	0.00	0.02	0.00	0.01	0.6	3.5	120.0	3.0	2.0	120.1	120.0
Avg		0.89	0.29	0.00	—	0.00	0.00	0.02	0.00	0.01	0.6	3.5	120.0	3.0	2.0	120.1	120.0
Min		0.89	0.29	0.00	—	0.00	0.00	0.02	0.00	0.01	0.6	3.5	120.0	3.0	2.0	120.1	120.0
Max		0.89	0.29	0.00	—	0.00	0.00	0.02	0.00	0.01	0.6	3.5	120.0	3.0	2.0	120.1	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	2
Running time in seconds for writing input file (t^{write})	0.0228
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0160
Running time in seconds for reading result file (t^{read})	0.0066

File jeu_200_075_03.txt

Property of graph	Value
Nodes (n)	200
Density (Δ)	75.0 %
Edges (m)	15,025

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
8.1	61,924.0	2.02	1.03	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.3	3.6	54.1	2.1	0.7	52.5	120.0
Avg		2.02	1.03	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.3	3.6	54.1	2.1	0.7	52.5	120.0
Min		2.02	1.03	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.3	3.6	54.1	2.1	0.7	52.5	120.0
Max		2.02	1.03	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.3	3.6	54.1	2.1	0.7	52.5	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	6
Running time in seconds for writing input file (t^{write})	0.0261
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0160
Running time in seconds for reading result file (t^{read})	0.0070

File jeu_200_075_04.txt

Property of graph	Value
Nodes (n)	200
Density (Δ)	75.0 %
Edges (m)	14,988

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
20.8	128,351.0	0.39	0.22	0.00	—	0.00	0.00	0.00	0.00	0.01	0.4	3.6	120.0	2.6	1.3	120.3	120.0
Avg		0.39	0.22	0.00	—	0.00	0.00	0.00	0.00	0.01	0.4	3.6	120.0	2.6	1.3	120.3	120.0
Min		0.39	0.22	0.00	—	0.00	0.00	0.00	0.00	0.01	0.4	3.6	120.0	2.6	1.3	120.3	120.0
Max		0.39	0.22	0.00	—	0.00	0.00	0.00	0.00	0.01	0.4	3.6	120.0	2.6	1.3	120.3	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	1
Running time in seconds for writing input file (t^{write})	0.0224
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0160
Running time in seconds for reading result file (t^{read})	0.0064

File jeu_200_075_05.txt

Property of graph	Value
Nodes (n)	200
Density (Δ)	75.0 %
Edges (m)	15,069

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
17.1	137,885.0	0.14	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.4	4.1	110.1	2.7	1.5	43.1	120.0
Avg		0.14	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.4	4.1	110.1	2.7	1.5	43.1	120.0
Min		0.14	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.4	4.1	110.1	2.7	1.5	43.1	120.0
Max		0.14	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.4	4.1	110.1	2.7	1.5	43.1	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	9
Running time in seconds for writing input file (t^{write})	0.0225
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0000
Running time in seconds for reading result file (t^{read})	0.0068

File jeu_200_075_06.txt

Property of graph	Value
Nodes (n)	200
Density (Δ)	75.0 %
Edges (m)	15,050

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
29.0	229,631.0	0.07	0.03	0.00	—	0.00	0.00	0.00	0.00	0.00	0.5	5.4	120.0	2.9	1.3	14.8	120.0
Avg		0.07	0.03	0.00	—	0.00	0.00	0.00	0.00	0.00	0.5	5.4	120.0	2.9	1.3	14.8	120.0
Min		0.07	0.03	0.00	—	0.00	0.00	0.00	0.00	0.00	0.5	5.4	120.0	2.9	1.3	14.8	120.0
Max		0.07	0.03	0.00	—	0.00	0.00	0.00	0.00	0.00	0.5	5.4	120.0	2.9	1.3	14.8	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	12
Running time in seconds for writing input file (t^{write})	0.0222
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0160
Running time in seconds for reading result file (t^{read})	0.0064

Property of graph	Value
Nodes (n)	200
Density (Δ)	75.0 %
Edges (m)	15,182

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
34.2	269,887.0	0.21	0.04	0.00	—	0.03	0.00	0.00	0.00	0.00	0.5	4.3	120.0	2.8	0.8	21.5	120.0
Avg		0.21	0.04	0.00	—	0.03	0.00	0.00	0.00	0.00	0.5	4.3	120.0	2.8	0.8	21.5	120.0
Min		0.21	0.04	0.00	—	0.03	0.00	0.00	0.00	0.00	0.5	4.3	120.0	2.8	0.8	21.5	120.0
Max		0.21	0.04	0.00	—	0.03	0.00	0.00	0.00	0.00	0.5	4.3	120.0	2.8	0.8	21.5	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	3
Running time in seconds for writing input file (t^{write})	0.0227
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0150
Running time in seconds for reading result file (t^{read})	0.0076

File jeu_200_075_08.txt

Property of graph	Value
Nodes (n)	200
Density (Δ)	75.0 %
Edges (m)	14,985

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
77.8	600,858.0	0.03	0.00	0.00	—	0.00	0.00	0.00	0.02	0.00	0.8	1.7	120.0	2.4	0.8	6.1	120.0
Avg		0.03	0.00	0.00	—	0.00	0.00	0.00	0.02	0.00	0.8	1.7	120.0	2.4	0.8	6.1	120.0
Min		0.03	0.00	0.00	—	0.00	0.00	0.00	0.02	0.00	0.8	1.7	120.0	2.4	0.8	6.1	120.0
Max		0.03	0.00	0.00	—	0.00	0.00	0.00	0.02	0.00	0.8	1.7	120.0	2.4	0.8	6.1	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	11
Running time in seconds for writing input file (t^{write})	0.0228
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0160
Running time in seconds for reading result file (t^{read})	0.0063

File jeu_200_075_09.txt

Property of graph	Value
Nodes (n)	200
Density (Δ)	75.0 %
Edges (m)	15,036

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
67.8	516,771.0	0.36	0.28	0.00	—	0.01	0.00	0.00	0.01	0.00	0.8	2.0	120.0	3.1	1.9	120.4	120.0
Avg		0.36	0.28	0.00	—	0.01	0.00	0.00	0.01	0.00	0.8	2.0	120.0	3.1	1.9	120.4	120.0
Min		0.36	0.28	0.00	—	0.01	0.00	0.00	0.01	0.00	0.8	2.0	120.0	3.1	1.9	120.4	120.0
Max		0.36	0.28	0.00	—	0.01	0.00	0.00	0.01	0.00	0.8	2.0	120.0	3.1	1.9	120.4	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	6
Running time in seconds for writing input file (t^{write})	0.0227
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0000
Running time in seconds for reading result file (t^{read})	0.0071

File jeu_200_075_10.txt

Property of graph	Value
Nodes (n)	200
Density (Δ)	75.0 %
Edges (m)	15,015

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
18.5	142,694.0	0.89	0.08	0.00	—	0.00	0.00	0.00	0.00	0.00	0.4	4.2	120.0	2.7	0.8	10.4	120.0
Avg		0.89	0.08	0.00	—	0.00	0.00	0.00	0.00	0.00	0.4	4.2	120.0	2.7	0.8	10.4	120.0
Min		0.89	0.08	0.00	—	0.00	0.00	0.00	0.00	0.00	0.4	4.2	120.0	2.7	0.8	10.4	120.0
Max		0.89	0.08	0.00	—	0.00	0.00	0.00	0.00	0.00	0.4	4.2	120.0	2.7	0.8	10.4	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	5
Running time in seconds for writing input file (t^{write})	0.0223
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0000
Running time in seconds for reading result file (t^{read})	0.0063

File jeu_200_100_01.txt

Property of graph	Value
Nodes (n)	200
Density (Δ)	100.0 %
Edges (m)	20,100

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
93.2	937,149.0	0.15	0.15	0.00	—	0.00	0.00	0.05	0.00	0.01	0.9	0.6	120.0	3.0	1.7	120.2	120.0
Avg		0.15	0.15	0.00	—	0.00	0.00	0.05	0.00	0.01	0.9	0.6	120.0	3.0	1.7	120.2	120.0
Min		0.15	0.15	0.00	—	0.00	0.00	0.05	0.00	0.01	0.9	0.6	120.0	3.0	1.7	120.2	120.0
Max		0.15	0.15	0.00	—	0.00	0.00	0.05	0.00	0.01	0.9	0.6	120.0	3.0	1.7	120.2	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	4
Running time in seconds for writing input file (t^{write})	0.0294
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0150
Running time in seconds for reading result file (t^{read})	0.0009

File jeu_200_100_02.txt

Property of graph	Value
Nodes (n)	200
Density (Δ)	100.0 %
Edges (m)	20,100

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
26.8	303,058.0	0.43	0.14	0.00	—	0.00	0.00	0.00	0.00	0.00	0.5	4.3	120.0	2.9	0.8	120.7	120.0
Avg		0.43	0.14	0.00	—	0.00	0.00	0.00	0.00	0.00	0.5	4.3	120.0	2.9	0.8	120.7	120.0
Min		0.43	0.14	0.00	—	0.00	0.00	0.00	0.00	0.00	0.5	4.3	120.0	2.9	0.8	120.7	120.0
Max		0.43	0.14	0.00	—	0.00	0.00	0.00	0.00	0.00	0.5	4.3	120.0	2.9	0.8	120.7	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	12
Running time in seconds for writing input file (t^{write})	0.0296
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0000
Running time in seconds for reading result file (t^{read})	0.0009

File jeu_200_100_03.txt

Property of graph	Value
Nodes (n)	200
Density (Δ)	100.0 %
Edges (m)	20,100

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
3.5	29,367.0	1.73	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.1	3.1	20.8	1.4	0.6	22.8	120.0
Avg		1.73	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.1	3.1	20.8	1.4	0.6	22.8	120.0
Min		1.73	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.1	3.1	20.8	1.4	0.6	22.8	120.0
Max		1.73	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.1	3.1	20.8	1.4	0.6	22.8	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	4
Running time in seconds for writing input file (t^{write})	0.0292
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0000
Running time in seconds for reading result file (t^{read})	0.0009

File jeu_200_100_04.txt

Property of graph	Value
Nodes (n)	200
Density (Δ)	100.0 %
Edges (m)	20,100

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
9.6	100,838.0	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.3	4.5	66.0	2.2	0.6	19.8	120.0
Avg		0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.3	4.5	66.0	2.2	0.6	19.8	120.0
Min		0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.3	4.5	66.0	2.2	0.6	19.8	120.0
Max		0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.3	4.5	66.0	2.2	0.6	19.8	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	4
Running time in seconds for writing input file (t^{write})	0.0299
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0000
Running time in seconds for reading result file (t^{read})	0.0009

File jeu_200_100_05.txt

Property of graph	Value
Nodes (n)	200
Density (Δ)	100.0 %
Edges (m)	20,100

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
77.8	786,635.0	0.15	0.07	0.00	—	0.00	0.00	0.06	1.61	0.01	0.8	1.5	120.0	3.0	1.0	120.4	120.0
Avg		0.15	0.07	0.00	—	0.00	0.00	0.06	1.61	0.01	0.8	1.5	120.0	3.0	1.0	120.4	120.0
Min		0.15	0.07	0.00	—	0.00	0.00	0.06	1.61	0.01	0.8	1.5	120.0	3.0	1.0	120.4	120.0
Max		0.15	0.07	0.00	—	0.00	0.00	0.06	1.61	0.01	0.8	1.5	120.0	3.0	1.0	120.4	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	2
Running time in seconds for writing input file (t^{write})	0.0296
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0000
Running time in seconds for reading result file (t^{read})	0.0009

File jeu_200_100_06.txt

Property of graph	Value
Nodes (n)	200
Density (Δ)	100.0 %
Edges (m)	20,100

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
4.0	41,171.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.2	4.6	22.3	1.5	0.6	11.2	120.0
Avg		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.2	4.6	22.3	1.5	0.6	11.2	120.0
Min		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.2	4.6	22.3	1.5	0.6	11.2	120.0
Max		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.2	4.6	22.3	1.5	0.6	11.2	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	13
Running time in seconds for writing input file (t^{write})	0.0298
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0160
Running time in seconds for reading result file (t^{read})	0.0010

File jeu_200_100_07.txt

Property of graph	Value
Nodes (n)	200
Density (Δ)	100.0 %
Edges (m)	20,100

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
69.1	701,094.0	0.34	0.19	0.00	—	0.00	0.00	0.00	1.62	0.01	0.8	2.0	120.0	2.8	1.0	120.2	120.0
Avg		0.34	0.19	0.00	—	0.00	0.00	0.00	1.62	0.01	0.8	2.0	120.0	2.8	1.0	120.2	120.0
Min		0.34	0.19	0.00	—	0.00	0.00	0.00	1.62	0.01	0.8	2.0	120.0	2.8	1.0	120.2	120.0
Max		0.34	0.19	0.00	—	0.00	0.00	0.00	1.62	0.01	0.8	2.0	120.0	2.8	1.0	120.2	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	4
Running time in seconds for writing input file (t^{write})	0.0298
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0150
Running time in seconds for reading result file (t^{read})	0.0009

File jeu_200_100_08.txt

Property of graph	Value
Nodes (n)	200
Density (Δ)	100.0 %
Edges (m)	20,100

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
76.4	782,443.0	0.34	0.30	0.00	—	0.01	0.00	0.00	0.00	0.00	0.8	1.7	120.0	2.6	2.5	120.4	120.0
Avg		0.34	0.30	0.00	—	0.01	0.00	0.00	0.00	0.00	0.8	1.7	120.0	2.6	2.5	120.4	120.0
Min		0.34	0.30	0.00	—	0.01	0.00	0.00	0.00	0.00	0.8	1.7	120.0	2.6	2.5	120.4	120.0
Max		0.34	0.30	0.00	—	0.01	0.00	0.00	0.00	0.00	0.8	1.7	120.0	2.6	2.5	120.4	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	7
Running time in seconds for writing input file (t^{write})	0.0299
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0150
Running time in seconds for reading result file (t^{read})	0.0009

File jeu_200_100_09.txt

Property of graph	Value
Nodes (n)	200
Density (Δ)	100.0 %
Edges (m)	20,100

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
62.8	628,992.0	0.30	0.16	0.00	—	0.01	0.00	0.00	0.00	0.01	0.7	2.3	120.0	2.9	1.2	120.4	120.0
Avg		0.30	0.16	0.00	—	0.01	0.00	0.00	0.00	0.01	0.7	2.3	120.0	2.9	1.2	120.4	120.0
Min		0.30	0.16	0.00	—	0.01	0.00	0.00	0.00	0.01	0.7	2.3	120.0	2.9	1.2	120.4	120.0
Max		0.30	0.16	0.00	—	0.01	0.00	0.00	0.00	0.01	0.7	2.3	120.0	2.9	1.2	120.4	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	4
Running time in seconds for writing input file (t^{write})	0.0292
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0160
Running time in seconds for reading result file (t^{read})	0.0010

File jeu_200_100_10.txt

Property of graph	Value
Nodes (n)	200
Density (Δ)	100.0 %
Edges (m)	20,100

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
36.5	378,442.0	0.45	0.35	0.00	—	0.04	0.00	0.00	1.12	0.00	0.5	3.7	120.0	3.1	1.0	120.4	120.0
Avg		0.45	0.35	0.00	—	0.04	0.00	0.00	1.12	0.00	0.5	3.7	120.0	3.1	1.0	120.4	120.0
Min		0.45	0.35	0.00	—	0.04	0.00	0.00	1.12	0.00	0.5	3.7	120.0	3.1	1.0	120.4	120.0
Max		0.45	0.35	0.00	—	0.04	0.00	0.00	1.12	0.00	0.5	3.7	120.0	3.1	1.0	120.4	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	7
Running time in seconds for writing input file (t^{write})	0.0292
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0160
Running time in seconds for reading result file (t^{read})	0.0008

File jeu_300_025_01.txt

Property of graph	Value
Nodes (n)	300
Density (Δ)	25.0 %
Edges (m)	11,417

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
5.0	29,140.0	0.12	0.29	0.00	—	0.36	0.00	0.00	0.00	0.01	0.4	3.2	120.0	7.6	7.9	9.9	72.0
Avg		0.12	0.29	0.00	—	0.36	0.00	0.00	0.00	0.01	0.4	3.2	120.0	7.6	7.9	9.9	72.0
Min		0.12	0.29	0.00	—	0.36	0.00	0.00	0.00	0.01	0.4	3.2	120.0	7.6	7.9	9.9	72.0
Max		0.12	0.29	0.00	—	0.36	0.00	0.00	0.00	0.01	0.4	3.2	120.0	7.6	7.9	9.9	72.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	10
Running time in seconds for writing input file (t^{write})	0.0179
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0150
Running time in seconds for reading result file (t^{read})	0.0083

File jeu_300_025_02.txt

Property of graph	Value
Nodes (n)	300
Density (Δ)	25.0 %
Edges (m)	11,277

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
49.6	281,990.0	0.19	0.03	0.00	—	0.00	—	0.00	0.00	0.01	1.6	3.5	120.0	13.8	120.0	56.4	120.0
Avg		0.19	0.03	0.00	—	0.00	—	0.00	0.00	0.01	1.6	3.5	120.0	13.8	120.0	56.4	120.0
Min		0.19	0.03	0.00	—	0.00	—	0.00	0.00	0.01	1.6	3.5	120.0	13.8	120.0	56.4	120.0
Max		0.19	0.03	0.00	—	0.00	—	0.00	0.00	0.01	1.6	3.5	120.0	13.8	120.0	56.4	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	6
Running time in seconds for writing input file (t^{write})	0.0178
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0150
Running time in seconds for reading result file (t^{read})	0.0083

File jeu_300_025_03.txt

Property of graph	Value
Nodes (n)	300
Density (Δ)	25.0 %
Edges (m)	11,228

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
40.3	231,075.0	0.16	0.13	0.00	—	0.00	—	0.00	0.05	0.01	1.4	4.0	120.0	13.0	120.0	32.6	120.0
Avg		0.16	0.13	0.00	—	0.00	—	0.00	0.05	0.01	1.4	4.0	120.0	13.0	120.0	32.6	120.0
Min		0.16	0.13	0.00	—	0.00	—	0.00	0.05	0.01	1.4	4.0	120.0	13.0	120.0	32.6	120.0
Max		0.16	0.13	0.00	—	0.00	—	0.00	0.05	0.01	1.4	4.0	120.0	13.0	120.0	32.6	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	11
Running time in seconds for writing input file (t^{write})	0.0175
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0160
Running time in seconds for reading result file (t^{read})	0.0085

File jeu_300_025_04.txt

Property of graph	Value
Nodes (n)	300
Density (Δ)	25.0 %
Edges (m)	11,322

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
75.9	444,759.0	0.19	0.02	0.00	—	0.00	0.00	0.00	0.01	0.01	1.9	2.1	120.0	10.9	4.8	14.5	120.0
Avg		0.19	0.02	0.00	—	0.00	0.00	0.00	0.01	0.01	1.9	2.1	120.0	10.9	4.8	14.5	120.0
Min		0.19	0.02	0.00	—	0.00	0.00	0.00	0.01	0.01	1.9	2.1	120.0	10.9	4.8	14.5	120.0
Max		0.19	0.02	0.00	—	0.00	0.00	0.00	0.01	0.01	1.9	2.1	120.0	10.9	4.8	14.5	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	13
Running time in seconds for writing input file (t^{write})	0.0174
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0150
Running time in seconds for reading result file (t^{read})	0.0084

File jeu_300_025_05.txt

Property of graph	Value
Nodes (n)	300
Density (Δ)	25.0 %
Edges (m)	11,495

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
2.6	14,988.0	1.49	0.35	0.00	0.20	0.38	0.00	0.00	0.00	0.01	0.3	2.8	79.3	6.0	4.5	9.3	25.0
Avg		1.49	0.35	0.00	0.20	0.38	0.00	0.00	0.00	0.01	0.3	2.8	79.3	6.0	4.5	9.3	25.0
Min		1.49	0.35	0.00	0.20	0.38	0.00	0.00	0.00	0.01	0.3	2.8	79.3	6.0	4.5	9.3	25.0
Max		1.49	0.35	0.00	0.20	0.38	0.00	0.00	0.00	0.01	0.3	2.8	79.3	6.0	4.5	9.3	25.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	12
Running time in seconds for writing input file (t^{write})	0.0177
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0160
Running time in seconds for reading result file (t^{read})	0.0083

File jeu_300_025_06.txt

Property of graph	Value
Nodes (n)	300
Density (Δ)	25.0 %
Edges (m)	11,476

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
45.0	269,782.0	0.04	0.02	0.00	—	0.00	0.00	0.00	0.00	0.01	1.5	4.4	120.0	13.4	3.7	21.1	95.0
Avg		0.04	0.02	0.00	—	0.00	0.00	0.00	0.00	0.01	1.5	4.4	120.0	13.4	3.7	21.1	95.0
Min		0.04	0.02	0.00	—	0.00	0.00	0.00	0.00	0.01	1.5	4.4	120.0	13.4	3.7	21.1	95.0
Max		0.04	0.02	0.00	—	0.00	0.00	0.00	0.00	0.01	1.5	4.4	120.0	13.4	3.7	21.1	95.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	12
Running time in seconds for writing input file (t^{write})	0.0174
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0150
Running time in seconds for reading result file (t^{read})	0.0084

File jeu_300_025_07.txt

Property of graph	Value
Nodes (n)	300
Density (Δ)	25.0 %
Edges (m)	11,279

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
84.0	485,263.0	0.45	0.05	0.00	—	0.02	0.00	0.00	0.07	0.00	1.9	1.3	120.0	10.4	4.4	20.3	120.0
Avg		0.45	0.05	0.00	—	0.02	0.00	0.00	0.07	0.00	1.9	1.3	120.0	10.4	4.4	20.3	120.0
Min		0.45	0.05	0.00	—	0.02	0.00	0.00	0.07	0.00	1.9	1.3	120.0	10.4	4.4	20.3	120.0
Max		0.45	0.05	0.00	—	0.02	0.00	0.00	0.07	0.00	1.9	1.3	120.0	10.4	4.4	20.3	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	15
Running time in seconds for writing input file (t^{write})	0.0171
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0150
Running time in seconds for reading result file (t^{read})	0.0079

File jeu_300_025_08.txt

Property of graph	Value
Nodes (n)	300
Density (Δ)	25.0 %
Edges (m)	11,230

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
1.5	9,343.0	0.67	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	2.1	42.3	4.8	1.7	2.3	27.0
Avg		0.67	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	2.1	42.3	4.8	1.7	2.3	27.0
Min		0.67	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	2.1	42.3	4.8	1.7	2.3	27.0
Max		0.67	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	2.1	42.3	4.8	1.7	2.3	27.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	12
Running time in seconds for writing input file (t^{write})	0.0175
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0150
Running time in seconds for reading result file (t^{read})	0.0081

File jeu_300_025_09.txt

Property of graph	Value
Nodes (n)	300
Density (Δ)	25.0 %
Edges (m)	11,282

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
43.3	250,761.0	0.41	0.01	0.00	—	0.01	0.00	0.00	0.00	0.01	1.6	3.5	120.0	13.5	13.5	17.7	117.0
Avg		0.41	0.01	0.00	—	0.01	0.00	0.00	0.00	0.01	1.6	3.5	120.0	13.5	13.5	17.7	117.0
Min		0.41	0.01	0.00	—	0.01	0.00	0.00	0.00	0.01	1.6	3.5	120.0	13.5	13.5	17.7	117.0
Max		0.41	0.01	0.00	—	0.01	0.00	0.00	0.00	0.01	1.6	3.5	120.0	13.5	13.5	17.7	117.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	11
Running time in seconds for writing input file (t^{write})	0.0171
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0150
Running time in seconds for reading result file (t^{read})	0.0087

File jeu_300_025_10.txt

Property of graph	Value
Nodes (n)	300
Density (Δ)	25.0 %
Edges (m)	11,422

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
65.9	383,377.0	0.25	0.00	0.00	—	0.00	0.00	0.00	0.00	0.01	1.9	2.4	120.0	20.1	14.4	39.5	120.0
Avg		0.25	0.00	0.00	—	0.00	0.00	0.00	0.00	0.01	1.9	2.4	120.0	20.1	14.4	39.5	120.0
Min		0.25	0.00	0.00	—	0.00	0.00	0.00	0.00	0.01	1.9	2.4	120.0	20.1	14.4	39.5	120.0
Max		0.25	0.00	0.00	—	0.00	0.00	0.00	0.00	0.01	1.9	2.4	120.0	20.1	14.4	39.5	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	8
Running time in seconds for writing input file (t^{write})	0.0178
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0160
Running time in seconds for reading result file (t^{read})	0.0078

File jeu_300_050_01.txt

Property of graph	Value
Nodes (n)	300
Density (Δ)	50.0 %
Edges (m)	22,680

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
45.7	513,379.0	0.19	0.08	0.00	—	0.00	—	0.50	1.40	0.01	1.5	3.2	120.0	13.8	120.0	120.1	120.0
Avg		0.19	0.08	0.00	—	0.00	—	0.50	1.40	0.01	1.5	3.2	120.0	13.8	120.0	120.1	120.0
Min		0.19	0.08	0.00	—	0.00	—	0.50	1.40	0.01	1.5	3.2	120.0	13.8	120.0	120.1	120.0
Max		0.19	0.08	0.00	—	0.00	—	0.50	1.40	0.01	1.5	3.2	120.0	13.8	120.0	120.1	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	4
Running time in seconds for writing input file (t^{write})	0.0338
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0160
Running time in seconds for reading result file (t^{read})	0.0081

File jeu_300_050_02.txt

Property of graph	Value
Nodes (n)	300
Density (Δ)	50.0 %
Edges (m)	22,591

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
10.1	105,543.0	0.00	0.00	0.00	—	0.00	0.00	0.00	1.34	0.01	0.7	8.6	120.0	9.6	6.7	116.8	120.0
Avg		0.00	0.00	0.00	—	0.00	0.00	0.00	1.34	0.01	0.7	8.6	120.0	9.6	6.7	116.8	120.0
Min		0.00	0.00	0.00	—	0.00	0.00	0.00	1.34	0.01	0.7	8.6	120.0	9.6	6.7	116.8	120.0
Max		0.00	0.00	0.00	—	0.00	0.00	0.00	1.34	0.01	0.7	8.6	120.0	9.6	6.7	116.8	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	4
Running time in seconds for writing input file (t^{write})	0.0334
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0160
Running time in seconds for reading result file (t^{read})	0.0085

File jeu_300_050_03.txt

Property of graph	Value
Nodes (n)	300
Density (Δ)	50.0 %
Edges (m)	22,505

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
76.8	875,788.0	0.50	0.03	0.00	—	0.00	0.00	0.00	0.84	0.01	1.9	2.0	120.0	11.0	7.1	120.4	120.0
Avg		0.50	0.03	0.00	—	0.00	0.00	0.00	0.84	0.01	1.9	2.0	120.0	11.0	7.1	120.4	120.0
Min		0.50	0.03	0.00	—	0.00	0.00	0.00	0.84	0.01	1.9	2.0	120.0	11.0	7.1	120.4	120.0
Max		0.50	0.03	0.00	—	0.00	0.00	0.00	0.84	0.01	1.9	2.0	120.0	11.0	7.1	120.4	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	4
Running time in seconds for writing input file (t^{write})	0.0332
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0160
Running time in seconds for reading result file (t^{read})	0.0079

File jeu_300_050_04.txt

Property of graph	Value
Nodes (n)	300
Density (Δ)	50.0 %
Edges (m)	22,556

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
26.8	307,124.0	0.06	0.00	0.00	—	0.00	0.00	0.00	0.37	0.01	1.1	4.2	120.0	12.8	6.6	108.1	120.0
Avg		0.06	0.00	0.00	—	0.00	0.00	0.00	0.37	0.01	1.1	4.2	120.0	12.8	6.6	108.1	120.0
Min		0.06	0.00	0.00	—	0.00	0.00	0.00	0.37	0.01	1.1	4.2	120.0	12.8	6.6	108.1	120.0
Max		0.06	0.00	0.00	—	0.00	0.00	0.00	0.37	0.01	1.1	4.2	120.0	12.8	6.6	108.1	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	7
Running time in seconds for writing input file (t^{write})	0.0344
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0150
Running time in seconds for reading result file (t^{read})	0.0090

File jeu_300_050_05.txt

Property of graph	Value
Nodes (n)	300
Density (Δ)	50.0 %
Edges (m)	22,561

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
64.1	727,820.0	0.22	0.02	0.00	—	0.00	0.00	0.17	0.72	0.01	1.8	2.6	120.0	12.3	46.7	120.4	120.0
Avg		0.22	0.02	0.00	—	0.00	0.00	0.17	0.72	0.01	1.8	2.6	120.0	12.3	46.7	120.4	120.0
Min		0.22	0.02	0.00	—	0.00	0.00	0.17	0.72	0.01	1.8	2.6	120.0	12.3	46.7	120.4	120.0
Max		0.22	0.02	0.00	—	0.00	0.00	0.17	0.72	0.01	1.8	2.6	120.0	12.3	46.7	120.4	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	9
Running time in seconds for writing input file (t^{write})	0.0343
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0160
Running time in seconds for reading result file (t^{read})	0.0080

File jeu_300_050_06.txt

Property of graph	Value
Nodes (n)	300
Density (Δ)	50.0 %
Edges (m)	22,598

		Deviation from best OFV (%)								Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
65.7	734,053.0	0.07	0.02	0.00	—	0.00	—	0.80	0.83	0.02	1.7	2.5	120.0	12.2	120.0	120.1	120.0
Avg		0.07	0.02	0.00	—	0.00	—	0.80	0.83	0.02	1.7	2.5	120.0	12.2	120.0	120.1	120.0
Min		0.07	0.02	0.00	—	0.00	—	0.80	0.83	0.02	1.7	2.5	120.0	12.2	120.0	120.1	120.0
Max		0.07	0.02	0.00	—	0.00	—	0.80	0.83	0.02	1.7	2.5	120.0	12.2	120.0	120.1	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	4
Running time in seconds for writing input file (t^{write})	0.0335
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0160
Running time in seconds for reading result file (t^{read})	0.0087

File jeu_300_050_07.txt

Property of graph	Value
Nodes (n)	300
Density (Δ)	50.0 %
Edges (m)	22,729

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
4.2	43,595.0	0.32	0.00	0.00	—	0.00	0.00	0.00	0.16	0.01	0.4	2.9	120.0	6.9	2.4	40.8	120.0
Avg		0.32	0.00	0.00	—	0.00	0.00	0.00	0.16	0.01	0.4	2.9	120.0	6.9	2.4	40.8	120.0
Min		0.32	0.00	0.00	—	0.00	0.00	0.00	0.16	0.01	0.4	2.9	120.0	6.9	2.4	40.8	120.0
Max		0.32	0.00	0.00	—	0.00	0.00	0.00	0.16	0.01	0.4	2.9	120.0	6.9	2.4	40.8	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	2
Running time in seconds for writing input file (t^{write})	0.0335
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0160
Running time in seconds for reading result file (t^{read})	0.0081

File jeu_300_050_08.txt

Property of graph	Value
Nodes (n)	300
Density (Δ)	50.0 %
Edges (m)	22,411

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
67.8	767,977.0	0.31	0.13	0.00	—	0.00	0.00	0.00	1.16	0.01	1.8	2.3	120.0	16.8	6.2	120.4	120.0
Avg		0.31	0.13	0.00	—	0.00	0.00	0.00	1.16	0.01	1.8	2.3	120.0	16.8	6.2	120.4	120.0
Min		0.31	0.13	0.00	—	0.00	0.00	0.00	1.16	0.01	1.8	2.3	120.0	16.8	6.2	120.4	120.0
Max		0.31	0.13	0.00	—	0.00	0.00	0.00	1.16	0.01	1.8	2.3	120.0	16.8	6.2	120.4	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	5
Running time in seconds for writing input file (t^{write})	0.0348
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0160
Running time in seconds for reading result file (t^{read})	0.0083

File jeu_300_050_09.txt

Property of graph	Value
Nodes (n)	300
Density (Δ)	50.0 %
Edges (m)	22,461

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
66.7	761,351.0	0.10	0.00	0.00	—	0.00	0.00	0.00	1.48	0.01	1.9	2.7	120.0	12.0	4.7	42.3	120.0
Avg		0.10	0.00	0.00	—	0.00	0.00	0.00	1.48	0.01	1.9	2.7	120.0	12.0	4.7	42.3	120.0
Min		0.10	0.00	0.00	—	0.00	0.00	0.00	1.48	0.01	1.9	2.7	120.0	12.0	4.7	42.3	120.0
Max		0.10	0.00	0.00	—	0.00	0.00	0.00	1.48	0.01	1.9	2.7	120.0	12.0	4.7	42.3	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	6
Running time in seconds for writing input file (t^{write})	0.0339
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0150
Running time in seconds for reading result file (t^{read})	0.0085

File jeu_300_050_10.txt

Property of graph	Value
Nodes (n)	300
Density (Δ)	50.0 %
Edges (m)	22,637

γ	Best OFV	Deviation from best OFV (%)								Running time (s)							
		QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
87.1	996,070.0	0.00	0.01	0.00	—	0.00	0.00	0.17	0.60	0.01	2.0	1.6	120.0	10.9	7.2	120.1	120.0
Avg		0.00	0.01	0.00	—	0.00	0.00	0.17	0.60	0.01	2.0	1.6	120.0	10.9	7.2	120.1	120.0
Min		0.00	0.01	0.00	—	0.00	0.00	0.17	0.60	0.01	2.0	1.6	120.0	10.9	7.2	120.1	120.0
Max		0.00	0.01	0.00	—	0.00	0.00	0.17	0.60	0.01	2.0	1.6	120.0	10.9	7.2	120.1	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	2
Running time in seconds for writing input file (t^{write})	0.0342
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0150
Running time in seconds for reading result file (t^{read})	0.0085