

Results for instances from collection
Standard-QKP

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
25.9	18,558.0	0.25	0.06	0.00	0.00	0.00	0.00	0.00	0.2	0.3	0.5	1.2	8.0
Avg		0.25	0.06	0.00	0.00	0.00	0.00	0.00	0.2	0.3	0.5	1.2	8.0
Min		0.25	0.06	0.00	0.00	0.00	0.00	0.00	0.2	0.3	0.5	1.2	8.0
Max		0.25	0.06	0.00	0.00	0.00	0.00	0.00	0.2	0.3	0.5	1.2	8.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	20
Running time in seconds for writing input file (t^{write})	0.3
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

File jeu_100_025_02.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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
85.5	56,525.0	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.3	0.4	0.2	0.1	1.0
Avg		0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.3	0.4	0.2	0.1	1.0
Min		0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.3	0.4	0.2	0.1	1.0
Max		0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.3	0.4	0.2	0.1	1.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	13
Running time in seconds for writing input file (t^{write})	0.3
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
6.3	3,752.0	1.35	0.94	1.43	0.00	0.00	0.00	0.00	0.1	0.2	0.3	0.4	3.0
Avg		1.35	0.94	1.43	0.00	0.00	0.00	0.00	0.1	0.2	0.3	0.4	3.0
Min		1.35	0.94	1.43	0.00	0.00	0.00	0.00	0.1	0.2	0.3	0.4	3.0
Max		1.35	0.94	1.43	0.00	0.00	0.00	0.00	0.1	0.2	0.3	0.4	3.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	8
Running time in seconds for writing input file (t^{write})	0.3
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

File jeu_100_025_04.txt

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
76.2	50,382.0	0.00	0.00	0.45	0.00	0.00	0.00	0.01	0.3	0.4	0.2	1.4	2.0
Avg		0.00	0.00	0.45	0.00	0.00	0.00	0.01	0.3	0.4	0.2	1.4	2.0
Min		0.00	0.00	0.45	0.00	0.00	0.00	0.01	0.3	0.4	0.2	1.4	2.0
Max		0.00	0.00	0.45	0.00	0.00	0.00	0.01	0.3	0.4	0.2	1.4	2.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	7
Running time in seconds for writing input file (t^{write})	0.3
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

File jeu_100_025_05.txt

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
93.4	61,494.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.3	0.4	0.2	0.2	1.0
Avg		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.3	0.4	0.2	0.2	1.0
Min		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.3	0.4	0.2	0.2	1.0
Max		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.3	0.4	0.2	0.2	1.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	9
Running time in seconds for writing input file (t^{write})	0.3
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
54.0	36,360.0	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.3	1.0	0.4	2.0
Avg		0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.3	1.0	0.4	2.0
Min		0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.3	1.0	0.4	2.0
Max		0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.3	1.0	0.4	2.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	18
Running time in seconds for writing input file (t^{write})	0.3
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
19.0	14,657.0	1.56	0.77	0.54	0.00	0.00	0.00	0.00	0.2	0.3	0.4	0.7	3.0
Avg		1.56	0.77	0.54	0.00	0.00	0.00	0.00	0.2	0.3	0.4	0.7	3.0
Min		1.56	0.77	0.54	0.00	0.00	0.00	0.00	0.2	0.3	0.4	0.7	3.0
Max		1.56	0.77	0.54	0.00	0.00	0.00	0.00	0.2	0.3	0.4	0.7	3.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	19
Running time in seconds for writing input file (t^{write})	0.3
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
26.2	20,452.0	1.49	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.3	0.2	0.2	1.0
Avg		1.49	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.3	0.2	0.2	1.0
Min		1.49	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.3	0.2	0.2	1.0
Max		1.49	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.3	0.2	0.2	1.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	33
Running time in seconds for writing input file (t^{write})	0.3
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
56.8	35,438.0	0.19	0.19	0.19	0.00	0.00	0.00	0.01	0.2	0.4	0.3	0.3	2.0
Avg		0.19	0.19	0.19	0.00	0.00	0.00	0.01	0.2	0.4	0.3	0.3	2.0
Min		0.19	0.19	0.19	0.00	0.00	0.00	0.01	0.2	0.4	0.3	0.3	2.0
Max		0.19	0.19	0.19	0.00	0.00	0.00	0.01	0.2	0.4	0.3	0.3	2.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	11
Running time in seconds for writing input file (t^{write})	0.3
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

File jeu_100_025_10.txt

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
39.9	24,930.0	0.74	0.02	0.00	0.00	0.00	0.00	0.01	0.2	0.3	0.3	1.9	8.0
Avg		0.74	0.02	0.00	0.00	0.00	0.00	0.01	0.2	0.3	0.3	1.9	8.0
Min		0.74	0.02	0.00	0.00	0.00	0.00	0.01	0.2	0.3	0.3	1.9	8.0
Max		0.74	0.02	0.00	0.00	0.00	0.00	0.01	0.2	0.3	0.3	1.9	8.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	9
Running time in seconds for writing input file (t^{write})	0.3
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
62.1	83,742.0	1.21	0.33	0.00	0.00	0.00	0.00	0.00	0.3	0.4	0.2	2.6	10.0
Avg		1.21	0.33	0.00	0.00	0.00	0.00	0.00	0.3	0.4	0.2	2.6	10.0
Min		1.21	0.33	0.00	0.00	0.00	0.00	0.00	0.3	0.4	0.2	2.6	10.0
Max		1.21	0.33	0.00	0.00	0.00	0.00	0.00	0.3	0.4	0.2	2.6	10.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	10
Running time in seconds for writing input file (t^{write})	0.3
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
78.9	104,856.0	0.45	0.20	0.00	0.00	0.00	0.00	0.00	0.3	0.4	0.3	3.3	27.0
Avg		0.45	0.20	0.00	0.00	0.00	0.00	0.00	0.3	0.4	0.3	3.3	27.0
Min		0.45	0.20	0.00	0.00	0.00	0.00	0.00	0.3	0.4	0.3	3.3	27.0
Max		0.45	0.20	0.00	0.00	0.00	0.00	0.00	0.3	0.4	0.3	3.3	27.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	6
Running time in seconds for writing input file (t^{write})	0.3
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
24.1	34,006.0	0.31	0.20	0.06	0.00	0.00	0.00	0.00	0.2	0.3	0.4	3.0	9.0
Avg		0.31	0.20	0.06	0.00	0.00	0.00	0.00	0.2	0.3	0.4	3.0	9.0
Min		0.31	0.20	0.06	0.00	0.00	0.00	0.00	0.2	0.3	0.4	3.0	9.0
Max		0.31	0.20	0.06	0.00	0.00	0.00	0.00	0.2	0.3	0.4	3.0	9.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	17
Running time in seconds for writing input file (t^{write})	0.3
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
82.8	105,996.0	0.11	0.11	0.00	0.00	0.00	0.00	0.01	0.3	0.4	0.2	0.9	4.0
Avg		0.11	0.11	0.00	0.00	0.00	0.00	0.01	0.3	0.4	0.2	0.9	4.0
Min		0.11	0.11	0.00	0.00	0.00	0.00	0.01	0.3	0.4	0.2	0.9	4.0
Max		0.11	0.11	0.00	0.00	0.00	0.00	0.01	0.3	0.4	0.2	0.9	4.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	7
Running time in seconds for writing input file (t^{write})	0.3
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
42.0	56,464.0	0.13	0.02	0.00	0.00	0.00	0.00	0.01	0.2	0.3	0.8	4.3	10.0
Avg		0.13	0.02	0.00	0.00	0.00	0.00	0.01	0.2	0.3	0.8	4.3	10.0
Min		0.13	0.02	0.00	0.00	0.00	0.00	0.01	0.2	0.3	0.8	4.3	10.0
Max		0.13	0.02	0.00	0.00	0.00	0.00	0.01	0.2	0.3	0.8	4.3	10.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	13
Running time in seconds for writing input file (t^{write})	0.3
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
13.5	16,083.0	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.1	0.2	0.3	1.4	7.0
Avg		0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.1	0.2	0.3	1.4	7.0
Min		0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.1	0.2	0.3	1.4	7.0
Max		0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.1	0.2	0.3	1.4	7.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	10
Running time in seconds for writing input file (t^{write})	0.3
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

File jeu_100_050_07.txt

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
40.7	52,819.0	0.33	0.00	0.00	0.00	0.00	0.00	0.01	0.2	0.3	0.4	1.0	6.0
Avg		0.33	0.00	0.00	0.00	0.00	0.00	0.01	0.2	0.3	0.4	1.0	6.0
Min		0.33	0.00	0.00	0.00	0.00	0.00	0.01	0.2	0.3	0.4	1.0	6.0
Max		0.33	0.00	0.00	0.00	0.00	0.00	0.01	0.2	0.3	0.4	1.0	6.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	3
Running time in seconds for writing input file (t^{write})	0.3
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
41.6	54,246.0	0.85	0.42	0.07	0.00	0.00	0.00	0.00	0.2	0.3	0.3	3.7	10.0
Avg		0.85	0.42	0.07	0.00	0.00	0.00	0.00	0.2	0.3	0.3	3.7	10.0
Min		0.85	0.42	0.07	0.00	0.00	0.00	0.00	0.2	0.3	0.3	3.7	10.0
Max		0.85	0.42	0.07	0.00	0.00	0.00	0.00	0.2	0.3	0.3	3.7	10.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	12
Running time in seconds for writing input file (t^{write})	0.3
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

File jeu_100_050_09.txt

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
55.0	68,974.0	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.2	0.4	0.4	6.8	6.0
Avg		0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.2	0.4	0.4	6.8	6.0
Min		0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.2	0.4	0.4	6.8	6.0
Max		0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.2	0.4	0.4	6.8	6.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	5
Running time in seconds for writing input file (t^{write})	0.3
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

File jeu_100_050_10.txt

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
70.2	88,634.0	0.59	0.45	0.00	0.00	0.00	0.00	0.01	0.3	0.4	0.3	20.5	120.0
Avg		0.59	0.45	0.00	0.00	0.00	0.00	0.01	0.3	0.4	0.3	20.5	120.0
Min		0.59	0.45	0.00	0.00	0.00	0.00	0.01	0.3	0.4	0.3	20.5	120.0
Max		0.59	0.45	0.00	0.00	0.00	0.00	0.01	0.3	0.4	0.3	20.5	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	4
Running time in seconds for writing input file (t^{write})	0.3
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

File jeu_100_075_01.txt

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
98.3	189,137.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.3	0.4	0.2	0.2	2.0
Avg		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.3	0.4	0.2	0.2	2.0
Min		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.3	0.4	0.2	0.2	2.0
Max		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.3	0.4	0.2	0.2	2.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	7
Running time in seconds for writing input file (t^{write})	0.3
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

File jeu_100_075_02.txt

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
50.2	95,074.0	1.51	0.84	0.00	0.00	0.00	0.00	0.00	0.2	0.3	0.3	33.3	120.0
Avg		1.51	0.84	0.00	0.00	0.00	0.00	0.00	0.2	0.3	0.3	33.3	120.0
Min		1.51	0.84	0.00	0.00	0.00	0.00	0.00	0.2	0.3	0.3	33.3	120.0
Max		1.51	0.84	0.00	0.00	0.00	0.00	0.00	0.2	0.3	0.3	33.3	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	6
Running time in seconds for writing input file (t^{write})	0.3
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

File jeu_100_075_03.txt

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
32.9	62,098.0	0.08	0.00	0.00	0.00	0.00	0.00	0.01	0.2	0.3	0.4	5.8	13.0
Avg		0.08	0.00	0.00	0.00	0.00	0.00	0.01	0.2	0.3	0.4	5.8	13.0
Min		0.08	0.00	0.00	0.00	0.00	0.00	0.01	0.2	0.3	0.4	5.8	13.0
Max		0.08	0.00	0.00	0.00	0.00	0.00	0.01	0.2	0.3	0.4	5.8	13.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	5
Running time in seconds for writing input file (t^{write})	0.3
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
38.1	72,245.0	1.43	0.84	0.06	0.00	0.00	0.00	0.00	0.2	0.3	0.5	28.9	120.0
Avg		1.43	0.84	0.06	0.00	0.00	0.00	0.00	0.2	0.3	0.5	28.9	120.0
Min		1.43	0.84	0.06	0.00	0.00	0.00	0.00	0.2	0.3	0.5	28.9	120.0
Max		1.43	0.84	0.06	0.00	0.00	0.00	0.00	0.2	0.3	0.5	28.9	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	12
Running time in seconds for writing input file (t^{write})	0.4
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
14.8	27,616.0	1.41	0.21	0.00	0.00	0.00	0.00	0.00	0.1	0.3	0.2	4.3	35.0
Avg		1.41	0.21	0.00	0.00	0.00	0.00	0.00	0.1	0.3	0.2	4.3	35.0
Min		1.41	0.21	0.00	0.00	0.00	0.00	0.00	0.1	0.3	0.2	4.3	35.0
Max		1.41	0.21	0.00	0.00	0.00	0.00	0.00	0.1	0.3	0.2	4.3	35.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	5
Running time in seconds for writing input file (t^{write})	0.3
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

File jeu_100_075_06.txt

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
74.0	145,273.0	0.42	0.37	0.00	0.00	0.00	0.00	0.00	0.3	0.4	0.2	1.7	8.0
Avg		0.42	0.37	0.00	0.00	0.00	0.00	0.00	0.3	0.4	0.2	1.7	8.0
Min		0.42	0.37	0.00	0.00	0.00	0.00	0.00	0.3	0.4	0.2	1.7	8.0
Max		0.42	0.37	0.00	0.00	0.00	0.00	0.00	0.3	0.4	0.2	1.7	8.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	10
Running time in seconds for writing input file (t^{write})	0.3
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

File jeu_100_075_07.txt

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
56.8	110,979.0	0.65	0.35	0.01	0.00	0.00	0.00	0.00	0.2	0.4	0.6	21.9	120.0
Avg		0.65	0.35	0.01	0.00	0.00	0.00	0.00	0.2	0.4	0.6	21.9	120.0
Min		0.65	0.35	0.01	0.00	0.00	0.00	0.00	0.2	0.4	0.6	21.9	120.0
Max		0.65	0.35	0.01	0.00	0.00	0.00	0.00	0.2	0.4	0.6	21.9	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	7
Running time in seconds for writing input file (t^{write})	0.3
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

File jeu_100_075_08.txt

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
13.2	19,570.0	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.1	0.2	0.4	7.8	120.0
Avg		0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.1	0.2	0.4	7.8	120.0
Min		0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.1	0.2	0.4	7.8	120.0
Max		0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.1	0.2	0.4	7.8	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	2
Running time in seconds for writing input file (t^{write})	0.3
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

File jeu_100_075_09.txt

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
56.6	104,341.0	1.63	1.08	0.00	0.00	0.00	0.00	0.01	0.3	0.4	0.3	69.2	120.0
Avg		1.63	1.08	0.00	0.00	0.00	0.00	0.01	0.3	0.4	0.3	69.2	120.0
Min		1.63	1.08	0.00	0.00	0.00	0.00	0.01	0.3	0.4	0.3	69.2	120.0
Max		1.63	1.08	0.00	0.00	0.00	0.00	0.01	0.3	0.4	0.3	69.2	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	2
Running time in seconds for writing input file (t^{write})	0.3
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
75.4	143,740.0	0.50	0.09	0.00	0.00	0.00	0.00	0.00	0.3	0.4	0.3	4.4	15.0
Avg		0.50	0.09	0.00	0.00	0.00	0.00	0.00	0.3	0.4	0.3	4.4	15.0
Min		0.50	0.09	0.00	0.00	0.00	0.00	0.00	0.3	0.4	0.3	4.4	15.0
Max		0.50	0.09	0.00	0.00	0.00	0.00	0.00	0.3	0.4	0.3	4.4	15.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	10
Running time in seconds for writing input file (t^{write})	0.3
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
28.3	81,978.0	0.27	0.02	0.02	0.00	0.00	0.00	0.00	0.2	0.3	0.2	10.6	80.0
Avg		0.27	0.02	0.02	0.00	0.00	0.00	0.00	0.2	0.3	0.2	10.6	80.0
Min		0.27	0.02	0.02	0.00	0.00	0.00	0.00	0.2	0.3	0.2	10.6	80.0
Max		0.27	0.02	0.02	0.00	0.00	0.00	0.00	0.2	0.3	0.2	10.6	80.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	19
Running time in seconds for writing input file (t^{write})	0.4
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
75.7	190,424.0	0.62	0.30	0.03	0.00	0.00	0.00	0.01	0.3	0.4	0.2	29.4	120.0
Avg		0.62	0.30	0.03	0.00	0.00	0.00	0.01	0.3	0.4	0.2	29.4	120.0
Min		0.62	0.30	0.03	0.00	0.00	0.00	0.01	0.3	0.4	0.2	29.4	120.0
Max		0.62	0.30	0.03	0.00	0.00	0.00	0.01	0.3	0.4	0.2	29.4	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	3
Running time in seconds for writing input file (t^{write})	0.3
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

File jeu_100_100_03.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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
88.9	225,434.0	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.3	0.4	0.2	2.8	13.0
Avg		0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.3	0.4	0.2	2.8	13.0
Min		0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.3	0.4	0.2	2.8	13.0
Max		0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.3	0.4	0.2	2.8	13.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	5
Running time in seconds for writing input file (t^{write})	0.4
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

File jeu_100_100_04.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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
23.3	63,028.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.3	0.2	2.4	30.0
Avg		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.3	0.2	2.4	30.0
Min		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.3	0.2	2.4	30.0
Max		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2	0.3	0.2	2.4	30.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	6
Running time in seconds for writing input file (t^{write})	0.4
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

File jeu_100_100_05.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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
89.0	230,076.0	0.18	0.03	0.00	0.00	0.00	0.00	0.00	0.3	0.4	0.2	2.4	16.0
Avg		0.18	0.03	0.00	0.00	0.00	0.00	0.00	0.3	0.4	0.2	2.4	16.0
Min		0.18	0.03	0.00	0.00	0.00	0.00	0.00	0.3	0.4	0.2	2.4	16.0
Max		0.18	0.03	0.00	0.00	0.00	0.00	0.00	0.3	0.4	0.2	2.4	16.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	4
Running time in seconds for writing input file (t^{write})	0.4
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
29.6	74,358.0	0.38	0.22	0.00	0.00	0.00	0.00	0.01	0.2	0.3	0.2	8.0	64.0
Avg		0.38	0.22	0.00	0.00	0.00	0.00	0.01	0.2	0.3	0.2	8.0	64.0
Min		0.38	0.22	0.00	0.00	0.00	0.00	0.01	0.2	0.3	0.2	8.0	64.0
Max		0.38	0.22	0.00	0.00	0.00	0.00	0.01	0.2	0.3	0.2	8.0	64.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	8
Running time in seconds for writing input file (t^{write})	0.4
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

File jeu_100_100_07.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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
4.1	10,330.0	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.1	0.2	0.2	2.9	7.0
Avg		2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.1	0.2	0.2	2.9	7.0
Min		2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.1	0.2	0.2	2.9	7.0
Max		2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.1	0.2	0.2	2.9	7.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	3
Running time in seconds for writing input file (t^{write})	0.4
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
24.5	62,582.0	0.53	0.20	0.00	0.00	0.00	0.00	0.00	0.2	0.3	0.2	4.5	22.0
Avg		0.53	0.20	0.00	0.00	0.00	0.00	0.00	0.2	0.3	0.2	4.5	22.0
Min		0.53	0.20	0.00	0.00	0.00	0.00	0.00	0.2	0.3	0.2	4.5	22.0
Max		0.53	0.20	0.00	0.00	0.00	0.00	0.00	0.2	0.3	0.2	4.5	22.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	5
Running time in seconds for writing input file (t^{write})	0.4
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
91.7	232,754.0	0.58	0.34	0.00	0.00	0.00	0.00	0.01	0.3	0.4	0.2	104.9	120.0
Avg		0.58	0.34	0.00	0.00	0.00	0.00	0.01	0.3	0.4	0.2	104.9	120.0
Min		0.58	0.34	0.00	0.00	0.00	0.00	0.01	0.3	0.4	0.2	104.9	120.0
Max		0.58	0.34	0.00	0.00	0.00	0.00	0.01	0.3	0.4	0.2	104.9	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	5
Running time in seconds for writing input file (t^{write})	0.4
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
74.8	193,262.0	0.88	0.49	0.00	0.00	0.00	0.00	0.00	0.3	0.3	0.2	120.3	120.0
Avg		0.88	0.49	0.00	0.00	0.00	0.00	0.00	0.3	0.3	0.2	120.3	120.0
Min		0.88	0.49	0.00	0.00	0.00	0.00	0.00	0.3	0.3	0.2	120.3	120.0
Max		0.88	0.49	0.00	0.00	0.00	0.00	0.00	0.3	0.3	0.2	120.3	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	6
Running time in seconds for writing input file (t^{write})	0.3
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
77.7	204,441.0	0.07	0.06	0.00	0.00	0.00	0.00	0.01	1.2	2.8	1.1	16.5	53.0
Avg		0.07	0.06	0.00	0.00	0.00	0.00	0.01	1.2	2.8	1.1	16.5	53.0
Min		0.07	0.06	0.00	0.00	0.00	0.00	0.01	1.2	2.8	1.1	16.5	53.0
Max		0.07	0.06	0.00	0.00	0.00	0.00	0.01	1.2	2.8	1.1	16.5	53.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	8
Running time in seconds for writing input file (t^{write})	0.7
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
91.4	239,573.0	0.01	0.01	0.00	0.00	0.00	0.00	0.00	1.3	2.6	0.8	2.0	43.0
Avg		0.01	0.01	0.00	0.00	0.00	0.00	0.00	1.3	2.6	0.8	2.0	43.0
Min		0.01	0.01	0.00	0.00	0.00	0.00	0.00	1.3	2.6	0.8	2.0	43.0
Max		0.01	0.01	0.00	0.00	0.00	0.00	0.00	1.3	2.6	0.8	2.0	43.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	21
Running time in seconds for writing input file (t^{write})	0.6
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
95.1	245,463.0	0.61	0.00	0.00	0.00	0.00	0.00	0.00	1.4	2.4	0.6	1.6	21.0
Avg		0.61	0.00	0.00	0.00	0.00	0.00	0.00	1.4	2.4	0.6	1.6	21.0
Min		0.61	0.00	0.00	0.00	0.00	0.00	0.00	1.4	2.4	0.6	1.6	21.0
Max		0.61	0.00	0.00	0.00	0.00	0.00	0.00	1.4	2.4	0.6	1.6	21.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	24
Running time in seconds for writing input file (t^{write})	0.6
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
85.2	222,361.0	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.3	2.7	1.8	6.3	32.0
Avg		0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.3	2.7	1.8	6.3	32.0
Min		0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.3	2.7	1.8	6.3	32.0
Max		0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.3	2.7	1.8	6.3	32.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	6
Running time in seconds for writing input file (t^{write})	0.7
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
72.4	187,324.0	0.25	0.07	0.00	0.00	0.00	0.00	0.01	1.2	2.8	2.5	5.2	36.0
Avg		0.25	0.07	0.00	0.00	0.00	0.00	0.01	1.2	2.8	2.5	5.2	36.0
Min		0.25	0.07	0.00	0.00	0.00	0.00	0.01	1.2	2.8	2.5	5.2	36.0
Max		0.25	0.07	0.00	0.00	0.00	0.00	0.01	1.2	2.8	2.5	5.2	36.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	13
Running time in seconds for writing input file (t^{write})	0.7
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
32.7	80,351.0	0.46	0.24	0.11	inf	0.00	0.00	0.01	0.8	2.9	120.0	32.4	120.0
Avg		0.46	0.24	0.11	inf	0.00	0.00	0.01	0.8	2.9	120.0	32.4	120.0
Min		0.46	0.24	0.11	inf	0.00	0.00	0.01	0.8	2.9	120.0	32.4	120.0
Max		0.46	0.24	0.11	inf	0.00	0.00	0.01	0.8	2.9	120.0	32.4	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	9
Running time in seconds for writing input file (t^{write})	0.7
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
23.4	59,036.0	0.30	0.06	0.00	inf	0.00	0.00	0.01	0.7	2.7	120.0	11.1	80.0
Avg		0.30	0.06	0.00	inf	0.00	0.00	0.01	0.7	2.7	120.0	11.1	80.0
Min		0.30	0.06	0.00	inf	0.00	0.00	0.01	0.7	2.7	120.0	11.1	80.0
Max		0.30	0.06	0.00	inf	0.00	0.00	0.01	0.7	2.7	120.0	11.1	80.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	13
Running time in seconds for writing input file (t^{write})	0.7
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
56.9	149,433.0	0.11	0.10	0.03	0.00	0.00	0.00	0.00	1.1	2.9	1.0	9.2	120.0
Avg		0.11	0.10	0.03	0.00	0.00	0.00	0.00	1.1	2.9	1.0	9.2	120.0
Min		0.11	0.10	0.03	0.00	0.00	0.00	0.00	1.1	2.9	1.0	9.2	120.0
Max		0.11	0.10	0.03	0.00	0.00	0.00	0.00	1.1	2.9	1.0	9.2	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	22
Running time in seconds for writing input file (t^{write})	0.7
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
19.5	49,366.0	0.15	0.15	0.08	0.00	0.00	0.00	0.01	0.6	2.5	29.6	8.3	77.0
Avg		0.15	0.15	0.08	0.00	0.00	0.00	0.01	0.6	2.5	29.6	8.3	77.0
Min		0.15	0.15	0.08	0.00	0.00	0.00	0.01	0.6	2.5	29.6	8.3	77.0
Max		0.15	0.15	0.08	0.00	0.00	0.00	0.01	0.6	2.5	29.6	8.3	77.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	17
Running time in seconds for writing input file (t^{write})	0.6
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

File jeu_200_025_10.txt

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
18.6	48,459.0	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.6	2.5	2.0	2.0	14.0
Avg		0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.6	2.5	2.0	2.0	14.0
Min		0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.6	2.5	2.0	2.0	14.0
Max		0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.6	2.5	2.0	2.0	14.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	11
Running time in seconds for writing input file (t^{write})	0.7
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

File jeu_200_050_01.txt

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
71.6	372,097.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.2	2.7	1.1	1.3	33.0
Avg		0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.2	2.7	1.1	1.3	33.0
Min		0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.2	2.7	1.1	1.3	33.0
Max		0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.2	2.7	1.1	1.3	33.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	11
Running time in seconds for writing input file (t^{write})	0.7
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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

		Deviation from best OFV (%)							Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly		QKBP*	GR	DP	QK	Gurobi	Hexaly
42.8	211,130.0	0.73	0.07	0.01	inf	0.00	0.01		0.01	0.9	3.0	120.0	121.0	120.0
Avg		0.73	0.07	0.01	inf	0.00	0.01		0.01	0.9	3.0	120.0	121.0	120.0
Min		0.73	0.07	0.01	inf	0.00	0.01		0.01	0.9	3.0	120.0	121.0	120.0
Max		0.73	0.07	0.01	inf	0.00	0.01		0.01	0.9	3.0	120.0	121.0	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	6
Running time in seconds for writing input file (t^{write})	0.7
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

File jeu_200_050_03.txt

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
43.2	227,185.0	0.39	0.12	0.01	0.00	0.00	0.00	0.00	1.0	2.8	1.9	30.5	120.0
Avg		0.39	0.12	0.01	0.00	0.00	0.00	0.00	1.0	2.8	1.9	30.5	120.0
Min		0.39	0.12	0.01	0.00	0.00	0.00	0.00	1.0	2.8	1.9	30.5	120.0
Max		0.39	0.12	0.01	0.00	0.00	0.00	0.00	1.0	2.8	1.9	30.5	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	7
Running time in seconds for writing input file (t^{write})	0.7
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

File jeu_200_050_04.txt

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
43.1	228,572.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.0	3.0	1.1	2.2	35.0
Avg		0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.0	3.0	1.1	2.2	35.0
Min		0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.0	3.0	1.1	2.2	35.0
Max		0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.0	3.0	1.1	2.2	35.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	10
Running time in seconds for writing input file (t^{write})	0.7
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
94.0	479,651.0	0.14	0.11	0.00	0.00	0.00	0.00	0.01	1.4	2.5	0.8	54.1	120.0
Avg		0.14	0.11	0.00	0.00	0.00	0.00	0.01	1.4	2.5	0.8	54.1	120.0
Min		0.14	0.11	0.00	0.00	0.00	0.00	0.01	1.4	2.5	0.8	54.1	120.0
Max		0.14	0.11	0.00	0.00	0.00	0.00	0.01	1.4	2.5	0.8	54.1	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	11
Running time in seconds for writing input file (t^{write})	0.7
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

File jeu_200_050_06.txt

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
85.2	426,777.0	0.22	0.21	0.01	0.00	0.01	0.00	0.01	1.3	2.6	1.9	120.8	120.0
Avg		0.22	0.21	0.01	0.00	0.01	0.00	0.01	1.3	2.6	1.9	120.8	120.0
Min		0.22	0.21	0.01	0.00	0.01	0.00	0.01	1.3	2.6	1.9	120.8	120.0
Max		0.22	0.21	0.01	0.00	0.01	0.00	0.01	1.3	2.6	1.9	120.8	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	12
Running time in seconds for writing input file (t^{write})	0.7
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
44.9	220,890.0	0.08	0.05	0.07	inf	0.00	0.06	0.01	0.9	3.0	120.0	120.6	120.0
Avg		0.08	0.05	0.07	inf	0.00	0.06	0.01	0.9	3.0	120.0	120.6	120.0
Min		0.08	0.05	0.07	inf	0.00	0.06	0.01	0.9	3.0	120.0	120.6	120.0
Max		0.08	0.05	0.07	inf	0.00	0.06	0.01	0.9	3.0	120.0	120.6	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	5
Running time in seconds for writing input file (t^{write})	0.7
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

File jeu_200_050_08.txt

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
61.9	317,952.0	0.12	0.00	0.00	0.00	0.00	0.00	0.00	1.1	2.9	2.3	10.1	60.0
Avg		0.12	0.00	0.00	0.00	0.00	0.00	0.00	1.1	2.9	2.3	10.1	60.0
Min		0.12	0.00	0.00	0.00	0.00	0.00	0.00	1.1	2.9	2.3	10.1	60.0
Max		0.12	0.00	0.00	0.00	0.00	0.00	0.00	1.1	2.9	2.3	10.1	60.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	17
Running time in seconds for writing input file (t^{write})	0.7
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
21.9	104,936.0	0.06	0.18	0.00	0.00	0.00	0.46	0.01	0.6	2.6	2.3	72.1	120.0
Avg		0.06	0.18	0.00	0.00	0.00	0.46	0.01	0.6	2.6	2.3	72.1	120.0
Min		0.06	0.18	0.00	0.00	0.00	0.46	0.01	0.6	2.6	2.3	72.1	120.0
Max		0.06	0.18	0.00	0.00	0.00	0.46	0.01	0.6	2.6	2.3	72.1	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	6
Running time in seconds for writing input file (t^{write})	0.7
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

File jeu_200_050_10.txt

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
54.8	284,751.0	0.01	0.01	0.00	0.00	0.00	0.00	0.01	1.1	2.9	4.7	30.0	120.0
Avg		0.01	0.01	0.00	0.00	0.00	0.00	0.01	1.1	2.9	4.7	30.0	120.0
Min		0.01	0.01	0.00	0.00	0.00	0.00	0.01	1.1	2.9	4.7	30.0	120.0
Max		0.01	0.01	0.00	0.00	0.00	0.00	0.01	1.1	2.9	4.7	30.0	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	17
Running time in seconds for writing input file (t^{write})	0.7
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
58.3	442,894.0	0.58	0.37	0.03	0.00	0.00	0.05	0.01	1.1	2.8	2.0	100.6	120.0
Avg		0.58	0.37	0.03	0.00	0.00	0.05	0.01	1.1	2.8	2.0	100.6	120.0
Min		0.58	0.37	0.03	0.00	0.00	0.05	0.01	1.1	2.8	2.0	100.6	120.0
Max		0.58	0.37	0.03	0.00	0.00	0.05	0.01	1.1	2.8	2.0	100.6	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	7
Running time in seconds for writing input file (t^{write})	0.9
Running time in seconds for executing parametric cut procedure (t^{cut})	0.2
Running time in seconds for reading result file (t^{read})	0.0

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
40.3	286,643.0	0.89	0.29	0.00	0.00	0.02	0.00	0.01	0.9	3.0	2.1	120.1	120.0
Avg		0.89	0.29	0.00	0.00	0.02	0.00	0.01	0.9	3.0	2.1	120.1	120.0
Min		0.89	0.29	0.00	0.00	0.02	0.00	0.01	0.9	3.0	2.1	120.1	120.0
Max		0.89	0.29	0.00	0.00	0.02	0.00	0.01	0.9	3.0	2.1	120.1	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	2
Running time in seconds for writing input file (t^{write})	0.7
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
8.1	61,924.0	2.02	1.03	0.00	0.00	0.00	0.00	0.01	0.4	1.9	0.8	120.2	120.0
Avg		2.02	1.03	0.00	0.00	0.00	0.00	0.01	0.4	1.9	0.8	120.2	120.0
Min		2.02	1.03	0.00	0.00	0.00	0.00	0.01	0.4	1.9	0.8	120.2	120.0
Max		2.02	1.03	0.00	0.00	0.00	0.00	0.01	0.4	1.9	0.8	120.2	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	5
Running time in seconds for writing input file (t^{write})	0.7
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
20.8	128,351.0	0.39	0.22	0.00	0.00	0.05	0.00	0.01	0.6	2.6	1.5	120.5	120.0
Avg		0.39	0.22	0.00	0.00	0.05	0.00	0.01	0.6	2.6	1.5	120.5	120.0
Min		0.39	0.22	0.00	0.00	0.05	0.00	0.01	0.6	2.6	1.5	120.5	120.0
Max		0.39	0.22	0.00	0.00	0.05	0.00	0.01	0.6	2.6	1.5	120.5	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	1
Running time in seconds for writing input file (t^{write})	0.7
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
17.1	137,885.0	0.14	0.14	0.00	0.00	0.00	0.00	0.01	0.6	2.5	1.7	51.1	120.0
Avg		0.14	0.14	0.00	0.00	0.00	0.00	0.01	0.6	2.5	1.7	51.1	120.0
Min		0.14	0.14	0.00	0.00	0.00	0.00	0.01	0.6	2.5	1.7	51.1	120.0
Max		0.14	0.14	0.00	0.00	0.00	0.00	0.01	0.6	2.5	1.7	51.1	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	11
Running time in seconds for writing input file (t^{write})	0.7
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
29.0	229,631.0	0.07	0.03	0.00	0.00	0.00	0.00	0.01	0.8	2.7	1.5	20.6	120.0
Avg		0.07	0.03	0.00	0.00	0.00	0.00	0.01	0.8	2.7	1.5	20.6	120.0
Min		0.07	0.03	0.00	0.00	0.00	0.00	0.01	0.8	2.7	1.5	20.6	120.0
Max		0.07	0.03	0.00	0.00	0.00	0.00	0.01	0.8	2.7	1.5	20.6	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	11
Running time in seconds for writing input file (t^{write})	0.7
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

File jeu_200_075_07.txt

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
34.2	269,887.0	0.21	0.04	0.03	0.00	0.00	0.00	0.01	0.8	2.8	0.9	38.9	120.0
Avg		0.21	0.04	0.03	0.00	0.00	0.00	0.01	0.8	2.8	0.9	38.9	120.0
Min		0.21	0.04	0.03	0.00	0.00	0.00	0.01	0.8	2.8	0.9	38.9	120.0
Max		0.21	0.04	0.03	0.00	0.00	0.00	0.01	0.8	2.8	0.9	38.9	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	4
Running time in seconds for writing input file (t^{write})	0.7
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
77.8	600,858.0	0.03	0.00	0.00	0.00	0.00	0.00	0.00	1.3	2.4	0.9	19.5	98.0
Avg		0.03	0.00	0.00	0.00	0.00	0.00	0.00	1.3	2.4	0.9	19.5	98.0
Min		0.03	0.00	0.00	0.00	0.00	0.00	0.00	1.3	2.4	0.9	19.5	98.0
Max		0.03	0.00	0.00	0.00	0.00	0.00	0.00	1.3	2.4	0.9	19.5	98.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	11
Running time in seconds for writing input file (t^{write})	0.7
Running time in seconds for executing parametric cut procedure (t^{cut})	0.2
Running time in seconds for reading result file (t^{read})	0.0

File jeu_200_075_09.txt

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
67.8	516,771.0	0.36	0.28	0.01	0.00	0.02	0.00	0.01	1.2	3.0	2.0	121.1	120.0
Avg		0.36	0.28	0.01	0.00	0.02	0.00	0.01	1.2	3.0	2.0	121.1	120.0
Min		0.36	0.28	0.01	0.00	0.02	0.00	0.01	1.2	3.0	2.0	121.1	120.0
Max		0.36	0.28	0.01	0.00	0.02	0.00	0.01	1.2	3.0	2.0	121.1	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	6
Running time in seconds for writing input file (t^{write})	0.7
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
18.5	142,694.0	0.89	0.08	0.00	0.00	0.00	0.00	0.01	0.6	2.5	0.9	31.8	120.0
Avg		0.89	0.08	0.00	0.00	0.00	0.00	0.01	0.6	2.5	0.9	31.8	120.0
Min		0.89	0.08	0.00	0.00	0.00	0.00	0.01	0.6	2.5	0.9	31.8	120.0
Max		0.89	0.08	0.00	0.00	0.00	0.00	0.01	0.6	2.5	0.9	31.8	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	5
Running time in seconds for writing input file (t^{write})	0.7
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
93.2	937,149.0	0.15	0.15	0.00	0.00	0.05	0.00	0.01	1.3	2.8	1.7	120.5	120.0
Avg		0.15	0.15	0.00	0.00	0.05	0.00	0.01	1.3	2.8	1.7	120.5	120.0
Min		0.15	0.15	0.00	0.00	0.05	0.00	0.01	1.3	2.8	1.7	120.5	120.0
Max		0.15	0.15	0.00	0.00	0.05	0.00	0.01	1.3	2.8	1.7	120.5	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	3
Running time in seconds for writing input file (t^{write})	0.8
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
26.8	303,058.0	0.43	0.14	0.00	0.00	0.05	0.02	0.00	0.8	2.7	0.9	120.1	120.0
Avg		0.43	0.14	0.00	0.00	0.05	0.02	0.00	0.8	2.7	0.9	120.1	120.0
Min		0.43	0.14	0.00	0.00	0.05	0.02	0.00	0.8	2.7	0.9	120.1	120.0
Max		0.43	0.14	0.00	0.00	0.05	0.02	0.00	0.8	2.7	0.9	120.1	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	18
Running time in seconds for writing input file (t^{write})	0.8
Running time in seconds for executing parametric cut procedure (t^{cut})	0.2
Running time in seconds for reading result file (t^{read})	0.0

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
3.5	29,367.0	1.73	0.50	0.00	0.00	0.00	0.00	0.01	0.2	1.4	0.6	51.7	120.0
Avg		1.73	0.50	0.00	0.00	0.00	0.00	0.01	0.2	1.4	0.6	51.7	120.0
Min		1.73	0.50	0.00	0.00	0.00	0.00	0.01	0.2	1.4	0.6	51.7	120.0
Max		1.73	0.50	0.00	0.00	0.00	0.00	0.01	0.2	1.4	0.6	51.7	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	5
Running time in seconds for writing input file (t^{write})	0.8
Running time in seconds for executing parametric cut procedure (t^{cut})	0.2
Running time in seconds for reading result file (t^{read})	0.0

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
9.6	100,838.0	0.37	0.00	0.00	0.00	0.00	0.00	0.01	0.5	2.1	0.7	43.7	120.0
Avg		0.37	0.00	0.00	0.00	0.00	0.00	0.01	0.5	2.1	0.7	43.7	120.0
Min		0.37	0.00	0.00	0.00	0.00	0.00	0.01	0.5	2.1	0.7	43.7	120.0
Max		0.37	0.00	0.00	0.00	0.00	0.00	0.01	0.5	2.1	0.7	43.7	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	3
Running time in seconds for writing input file (t^{write})	0.8
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
77.8	786,635.0	0.15	0.07	0.00	0.00	0.07	1.61	0.01	1.2	2.7	1.1	120.1	120.0
Avg		0.15	0.07	0.00	0.00	0.07	1.61	0.01	1.2	2.7	1.1	120.1	120.0
Min		0.15	0.07	0.00	0.00	0.07	1.61	0.01	1.2	2.7	1.1	120.1	120.0
Max		0.15	0.07	0.00	0.00	0.07	1.61	0.01	1.2	2.7	1.1	120.1	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	2
Running time in seconds for writing input file (t^{write})	0.8
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
4.0	41,171.0	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.3	1.5	0.6	22.7	120.0
Avg		0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.3	1.5	0.6	22.7	120.0
Min		0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.3	1.5	0.6	22.7	120.0
Max		0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.3	1.5	0.6	22.7	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	10
Running time in seconds for writing input file (t^{write})	0.8
Running time in seconds for executing parametric cut procedure (t^{cut})	0.2
Running time in seconds for reading result file (t^{read})	0.0

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
69.1	701,094.0	0.34	0.19	0.00	0.00	0.19	1.62	0.01	1.2	2.8	1.0	120.1	120.0
Avg		0.34	0.19	0.00	0.00	0.19	1.62	0.01	1.2	2.8	1.0	120.1	120.0
Min		0.34	0.19	0.00	0.00	0.19	1.62	0.01	1.2	2.8	1.0	120.1	120.0
Max		0.34	0.19	0.00	0.00	0.19	1.62	0.01	1.2	2.8	1.0	120.1	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	3
Running time in seconds for writing input file (t^{write})	0.8
Running time in seconds for executing parametric cut procedure (t^{cut})	0.2
Running time in seconds for reading result file (t^{read})	0.0

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
76.4	782,443.0	0.34	0.30	0.01	0.00	0.10	0.00	0.00	1.3	2.6	2.4	122.1	120.0
Avg		0.34	0.30	0.01	0.00	0.10	0.00	0.00	1.3	2.6	2.4	122.1	120.0
Min		0.34	0.30	0.01	0.00	0.10	0.00	0.00	1.3	2.6	2.4	122.1	120.0
Max		0.34	0.30	0.01	0.00	0.10	0.00	0.00	1.3	2.6	2.4	122.1	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	9
Running time in seconds for writing input file (t^{write})	0.8
Running time in seconds for executing parametric cut procedure (t^{cut})	0.2
Running time in seconds for reading result file (t^{read})	0.0

File jeu_200_100_09.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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
62.8	628,992.0	0.30	0.16	0.01	0.00	0.00	0.00	0.01	1.1	2.9	1.2	197.3	120.0
Avg		0.30	0.16	0.01	0.00	0.00	0.00	0.01	1.1	2.9	1.2	197.3	120.0
Min		0.30	0.16	0.01	0.00	0.00	0.00	0.01	1.1	2.9	1.2	197.3	120.0
Max		0.30	0.16	0.01	0.00	0.00	0.00	0.01	1.1	2.9	1.2	197.3	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	5
Running time in seconds for writing input file (t^{write})	0.8
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
36.5	378,442.0	0.45	0.35	0.04	0.00	0.00	1.12	0.01	0.9	2.9	1.1	120.6	120.0
Avg		0.45	0.35	0.04	0.00	0.00	1.12	0.01	0.9	2.9	1.1	120.6	120.0
Min		0.45	0.35	0.04	0.00	0.00	1.12	0.01	0.9	2.9	1.1	120.6	120.0
Max		0.45	0.35	0.04	0.00	0.00	1.12	0.01	0.9	2.9	1.1	120.6	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	7
Running time in seconds for writing input file (t^{write})	0.8
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1
Running time in seconds for reading result file (t^{read})	0.0

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
5.0	29,140.0	0.12	0.29	0.36	0.00	0.00	0.00	0.01	0.7	7.2	8.7	11.5	69.0
Avg		0.12	0.29	0.36	0.00	0.00	0.00	0.01	0.7	7.2	8.7	11.5	69.0
Min		0.12	0.29	0.36	0.00	0.00	0.00	0.01	0.7	7.2	8.7	11.5	69.0
Max		0.12	0.29	0.36	0.00	0.00	0.00	0.01	0.7	7.2	8.7	11.5	69.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	12
Running time in seconds for writing input file (t^{write})	1.0
Running time in seconds for executing parametric cut procedure (t^{cut})	0.2
Running time in seconds for reading result file (t^{read})	0.0

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
49.6	281,990.0	0.19	0.03	0.00	inf	0.00	0.00	0.01	2.4	12.9	120.0	81.1	120.0
Avg		0.19	0.03	0.00	inf	0.00	0.00	0.01	2.4	12.9	120.0	81.1	120.0
Min		0.19	0.03	0.00	inf	0.00	0.00	0.01	2.4	12.9	120.0	81.1	120.0
Max		0.19	0.03	0.00	inf	0.00	0.00	0.01	2.4	12.9	120.0	81.1	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	10
Running time in seconds for writing input file (t^{write})	1.0
Running time in seconds for executing parametric cut procedure (t^{cut})	0.2
Running time in seconds for reading result file (t^{read})	0.0

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
40.3	231,075.0	0.16	0.13	0.00	inf	0.00	0.08	0.01	2.2	13.0	120.0	58.3	120.0
Avg		0.16	0.13	0.00	inf	0.00	0.08	0.01	2.2	13.0	120.0	58.3	120.0
Min		0.16	0.13	0.00	inf	0.00	0.08	0.01	2.2	13.0	120.0	58.3	120.0
Max		0.16	0.13	0.00	inf	0.00	0.08	0.01	2.2	13.0	120.0	58.3	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	10
Running time in seconds for writing input file (t^{write})	1.0
Running time in seconds for executing parametric cut procedure (t^{cut})	0.2
Running time in seconds for reading result file (t^{read})	0.0

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
75.9	444,759.0	0.19	0.02	0.00	0.00	0.00	0.00	0.02	3.1	10.8	4.8	30.1	120.0
Avg		0.19	0.02	0.00	0.00	0.00	0.00	0.02	3.1	10.8	4.8	30.1	120.0
Min		0.19	0.02	0.00	0.00	0.00	0.00	0.02	3.1	10.8	4.8	30.1	120.0
Max		0.19	0.02	0.00	0.00	0.00	0.00	0.02	3.1	10.8	4.8	30.1	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	16
Running time in seconds for writing input file (t^{write})	1.0
Running time in seconds for executing parametric cut procedure (t^{cut})	0.2
Running time in seconds for reading result file (t^{read})	0.0

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
2.6	14,988.0	1.49	0.35	0.38	0.00	0.00	0.00	0.01	0.6	5.9	4.5	14.9	26.0
Avg		1.49	0.35	0.38	0.00	0.00	0.00	0.01	0.6	5.9	4.5	14.9	26.0
Min		1.49	0.35	0.38	0.00	0.00	0.00	0.01	0.6	5.9	4.5	14.9	26.0
Max		1.49	0.35	0.38	0.00	0.00	0.00	0.01	0.6	5.9	4.5	14.9	26.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	15
Running time in seconds for writing input file (t^{write})	1.0
Running time in seconds for executing parametric cut procedure (t^{cut})	0.2
Running time in seconds for reading result file (t^{read})	0.0

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
45.0	269,782.0	0.04	0.02	0.00	0.00	0.00	0.00	0.01	2.4	12.8	3.7	42.3	83.0
Avg		0.04	0.02	0.00	0.00	0.00	0.00	0.01	2.4	12.8	3.7	42.3	83.0
Min		0.04	0.02	0.00	0.00	0.00	0.00	0.01	2.4	12.8	3.7	42.3	83.0
Max		0.04	0.02	0.00	0.00	0.00	0.00	0.01	2.4	12.8	3.7	42.3	83.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	16
Running time in seconds for writing input file (t^{write})	1.0
Running time in seconds for executing parametric cut procedure (t^{cut})	0.2
Running time in seconds for reading result file (t^{read})	0.0

File jeu_300_025_07.txt

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
84.0	485,263.0	0.45	0.05	0.02	0.00	0.00	0.07	0.00	3.2	10.6	4.4	54.7	120.0
Avg		0.45	0.05	0.02	0.00	0.00	0.07	0.00	3.2	10.6	4.4	54.7	120.0
Min		0.45	0.05	0.02	0.00	0.00	0.07	0.00	3.2	10.6	4.4	54.7	120.0
Max		0.45	0.05	0.02	0.00	0.00	0.07	0.00	3.2	10.6	4.4	54.7	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	18
Running time in seconds for writing input file (t^{write})	1.0
Running time in seconds for executing parametric cut procedure (t^{cut})	0.2
Running time in seconds for reading result file (t^{read})	0.0

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
1.5	9,343.0	0.67	0.67	0.00	0.00	0.00	0.00	0.00	0.4	4.8	1.8	3.3	26.0
Avg		0.67	0.67	0.00	0.00	0.00	0.00	0.00	0.4	4.8	1.8	3.3	26.0
Min		0.67	0.67	0.00	0.00	0.00	0.00	0.00	0.4	4.8	1.8	3.3	26.0
Max		0.67	0.67	0.00	0.00	0.00	0.00	0.00	0.4	4.8	1.8	3.3	26.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	12
Running time in seconds for writing input file (t^{write})	1.0
Running time in seconds for executing parametric cut procedure (t^{cut})	0.2
Running time in seconds for reading result file (t^{read})	0.0

File jeu_300_025_09.txt

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
43.3	250,761.0	0.41	0.01	0.01	0.00	0.00	0.00	0.02	2.4	12.7	13.1	48.5	114.0
Avg		0.41	0.01	0.01	0.00	0.00	0.00	0.02	2.4	12.7	13.1	48.5	114.0
Min		0.41	0.01	0.01	0.00	0.00	0.00	0.02	2.4	12.7	13.1	48.5	114.0
Max		0.41	0.01	0.01	0.00	0.00	0.00	0.02	2.4	12.7	13.1	48.5	114.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	13
Running time in seconds for writing input file (t^{write})	1.0
Running time in seconds for executing parametric cut procedure (t^{cut})	0.2
Running time in seconds for reading result file (t^{read})	0.0

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
65.9	383,377.0	0.25	0.00	0.00	0.00	0.00	0.00	0.02	2.8	18.2	13.8	50.7	120.0
Avg		0.25	0.00	0.00	0.00	0.00	0.00	0.02	2.8	18.2	13.8	50.7	120.0
Min		0.25	0.00	0.00	0.00	0.00	0.00	0.02	2.8	18.2	13.8	50.7	120.0
Max		0.25	0.00	0.00	0.00	0.00	0.00	0.02	2.8	18.2	13.8	50.7	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	10
Running time in seconds for writing input file (t^{write})	1.0
Running time in seconds for executing parametric cut procedure (t^{cut})	0.2
Running time in seconds for reading result file (t^{read})	0.0

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
45.7	513,379.0	0.19	0.08	0.00	inf	0.50	1.40	0.02	2.4	13.1	120.0	120.2	120.0
Avg		0.19	0.08	0.00	inf	0.50	1.40	0.02	2.4	13.1	120.0	120.2	120.0
Min		0.19	0.08	0.00	inf	0.50	1.40	0.02	2.4	13.1	120.0	120.2	120.0
Max		0.19	0.08	0.00	inf	0.50	1.40	0.02	2.4	13.1	120.0	120.2	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	5
Running time in seconds for writing input file (t^{write})	1.2
Running time in seconds for executing parametric cut procedure (t^{cut})	0.2
Running time in seconds for reading result file (t^{read})	0.0

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
10.1	105,543.0	0.00	0.00	0.00	0.00	0.00	1.34	0.01	1.1	9.6	7.5	120.1	120.0
Avg		0.00	0.00	0.00	0.00	0.00	1.34	0.01	1.1	9.6	7.5	120.1	120.0
Min		0.00	0.00	0.00	0.00	0.00	1.34	0.01	1.1	9.6	7.5	120.1	120.0
Max		0.00	0.00	0.00	0.00	0.00	1.34	0.01	1.1	9.6	7.5	120.1	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	5
Running time in seconds for writing input file (t^{write})	1.1
Running time in seconds for executing parametric cut procedure (t^{cut})	0.2
Running time in seconds for reading result file (t^{read})	0.0

File jeu_300_050_03.txt

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
76.8	875,788.0	0.50	0.03	0.00	0.00	0.01	0.84	0.02	3.1	10.8	7.3	120.6	120.0
Avg		0.50	0.03	0.00	0.00	0.01	0.84	0.02	3.1	10.8	7.3	120.6	120.0
Min		0.50	0.03	0.00	0.00	0.01	0.84	0.02	3.1	10.8	7.3	120.6	120.0
Max		0.50	0.03	0.00	0.00	0.01	0.84	0.02	3.1	10.8	7.3	120.6	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	5
Running time in seconds for writing input file (t^{write})	1.1
Running time in seconds for executing parametric cut procedure (t^{cut})	0.2
Running time in seconds for reading result file (t^{read})	0.0

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
26.8	307,124.0	0.06	0.00	0.00	0.00	0.27	0.37	0.01	1.8	12.4	6.5	120.6	120.0
Avg		0.06	0.00	0.00	0.00	0.27	0.37	0.01	1.8	12.4	6.5	120.6	120.0
Min		0.06	0.00	0.00	0.00	0.27	0.37	0.01	1.8	12.4	6.5	120.6	120.0
Max		0.06	0.00	0.00	0.00	0.27	0.37	0.01	1.8	12.4	6.5	120.6	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	10
Running time in seconds for writing input file (t^{write})	1.1
Running time in seconds for executing parametric cut procedure (t^{cut})	0.2
Running time in seconds for reading result file (t^{read})	0.0

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
64.1	727,820.0	0.22	0.02	0.00	0.00	0.42	0.72	0.02	2.9	11.9	46.2	121.2	120.0
Avg		0.22	0.02	0.00	0.00	0.42	0.72	0.02	2.9	11.9	46.2	121.2	120.0
Min		0.22	0.02	0.00	0.00	0.42	0.72	0.02	2.9	11.9	46.2	121.2	120.0
Max		0.22	0.02	0.00	0.00	0.42	0.72	0.02	2.9	11.9	46.2	121.2	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	13
Running time in seconds for writing input file (t^{write})	1.1
Running time in seconds for executing parametric cut procedure (t^{cut})	0.2
Running time in seconds for reading result file (t^{read})	0.0

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*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
65.7	734,025.0	0.07	0.01	0.00	inf	1.22	0.82	0.02	2.8	11.8	120.0	120.1	120.0
Avg		0.07	0.01	0.00	inf	1.22	0.82	0.02	2.8	11.8	120.0	120.1	120.0
Min		0.07	0.01	0.00	inf	1.22	0.82	0.02	2.8	11.8	120.0	120.1	120.0
Max		0.07	0.01	0.00	inf	1.22	0.82	0.02	2.8	11.8	120.0	120.1	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	4
Running time in seconds for writing input file (t^{write})	1.1
Running time in seconds for executing parametric cut procedure (t^{cut})	0.2
Running time in seconds for reading result file (t^{read})	0.0

File jeu_300_050_07.txt

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
4.2	43,595.0	0.32	0.00	0.00	0.00	0.00	0.16	0.01	0.7	6.9	2.8	71.3	120.0
Avg		0.32	0.00	0.00	0.00	0.00	0.16	0.01	0.7	6.9	2.8	71.3	120.0
Min		0.32	0.00	0.00	0.00	0.00	0.16	0.01	0.7	6.9	2.8	71.3	120.0
Max		0.32	0.00	0.00	0.00	0.00	0.16	0.01	0.7	6.9	2.8	71.3	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	2
Running time in seconds for writing input file (t^{write})	1.1
Running time in seconds for executing parametric cut procedure (t^{cut})	0.2
Running time in seconds for reading result file (t^{read})	0.0

File jeu_300_050_08.txt

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
67.8	767,977.0	0.31	0.13	0.00	0.00	0.00	1.16	0.02	2.9	16.6	7.1	120.6	120.0
Avg		0.31	0.13	0.00	0.00	0.00	1.16	0.02	2.9	16.6	7.1	120.6	120.0
Min		0.31	0.13	0.00	0.00	0.00	1.16	0.02	2.9	16.6	7.1	120.6	120.0
Max		0.31	0.13	0.00	0.00	0.00	1.16	0.02	2.9	16.6	7.1	120.6	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	7
Running time in seconds for writing input file (t^{write})	1.1
Running time in seconds for executing parametric cut procedure (t^{cut})	0.2
Running time in seconds for reading result file (t^{read})	0.0

File jeu_300_050_09.txt

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
66.7	761,351.0	0.10	0.00	0.00	0.00	0.00	1.48	0.01	2.9	11.6	5.3	86.6	120.0
Avg		0.10	0.00	0.00	0.00	0.00	1.48	0.01	2.9	11.6	5.3	86.6	120.0
Min		0.10	0.00	0.00	0.00	0.00	1.48	0.01	2.9	11.6	5.3	86.6	120.0
Max		0.10	0.00	0.00	0.00	0.00	1.48	0.01	2.9	11.6	5.3	86.6	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	8
Running time in seconds for writing input file (t^{write})	1.1
Running time in seconds for executing parametric cut procedure (t^{cut})	0.2
Running time in seconds for reading result file (t^{read})	0.0

File jeu_300_050_10.txt

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

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
87.1	996,070.0	0.00	0.01	0.00	0.00	0.44	0.60	0.02	3.3	10.1	7.1	120.1	120.0
Avg		0.00	0.01	0.00	0.00	0.44	0.60	0.02	3.3	10.1	7.1	120.1	120.0
Min		0.00	0.01	0.00	0.00	0.44	0.60	0.02	3.3	10.1	7.1	120.1	120.0
Max		0.00	0.01	0.00	0.00	0.44	0.60	0.02	3.3	10.1	7.1	120.1	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	2
Running time in seconds for writing input file (t^{write})	1.1
Running time in seconds for executing parametric cut procedure (t^{cut})	0.2
Running time in seconds for reading result file (t^{read})	0.0