

Results for instances from collection
New-QKP

File qkp_new_00500_005_0.txt

Property of graph	Value
Nodes (n)	500
Density (Δ)	5.0 %
Edges (m)	6,248

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
2.5	9,577.0	0.95	0.45	1.57	inf	0.00	0.00	0.01	1.4	38.4	120.0	1.1	30.0
5.0	18,674.0	0.67	0.28	0.47	inf	0.00	0.00	0.00	2.2	53.5	120.0	2.5	38.0
10.0	36,572.0	0.38	0.21	0.32	inf	0.00	0.00	0.01	3.3	69.7	120.0	1.1	25.0
25.0	88,274.0	0.20	0.11	0.10	inf	0.00	0.00	0.00	5.6	94.6	120.0	1.3	68.0
50.0	169,979.0	0.29	0.08	0.12	inf	0.00	0.01	0.01	7.9	89.3	120.0	7.0	120.0
75.0	249,249.0	0.01	0.01	0.00	inf	0.00	0.00	0.00	9.8	68.8	120.0	1.1	67.0
90.0	293,522.0	0.03	0.00	0.00	inf	0.00	0.00	0.00	10.6	55.4	120.0	2.4	120.0
95.0	306,502.0	0.09	0.02	0.00	inf	0.00	0.00	0.00	10.9	48.3	120.0	1.1	18.0
Avg		0.33	0.15	0.32	inf	0.00	0.00	0.00	6.5	64.7	120.0	2.2	60.8
Min		0.01	0.00	0.00	inf	0.00	0.00	0.00	1.4	38.4	120.0	1.1	18.0
Max		0.95	0.45	1.57	inf	0.00	0.01	0.01	10.9	94.6	120.0	7.0	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	35
Running time in seconds for writing input file (t^{write})	1.6
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 qkp_new_00500_010_0.txt

Property of graph	Value
Nodes (n)	500
Density (Δ)	10.0 %
Edges (m)	12,602

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
2.5	18,740.0	0.78	0.24	0.80	inf	0.00	0.00	0.01	1.6	41.8	120.0	2.5	39.0
5.0	36,014.0	0.00	0.00	0.06	inf	0.00	0.00	0.01	2.4	54.8	120.0	5.6	73.0
10.0	69,389.0	0.00	0.01	0.35	inf	0.00	0.00	0.01	3.6	72.2	120.0	10.8	63.0
25.0	169,476.0	0.00	0.04	0.03	inf	0.00	0.01	0.01	5.7	88.1	120.0	6.4	120.0
50.0	331,442.0	0.12	0.00	0.03	inf	0.00	0.10	0.01	8.1	84.5	120.0	24.2	120.0
75.0	492,624.0	0.16	0.04	0.01	inf	0.00	0.00	0.01	9.6	67.1	120.0	6.4	120.0
90.0	584,479.0	0.05	0.01	0.00	inf	0.00	0.00	0.00	10.2	51.4	120.0	2.9	53.0
95.0	612,109.0	0.20	0.19	0.00	inf	0.00	0.07	0.00	10.4	48.0	120.0	7.6	120.0
Avg		0.16	0.07	0.16	inf	0.00	0.02	0.01	6.5	63.5	120.0	8.3	88.5
Min		0.00	0.00	0.00	inf	0.00	0.00	0.00	1.6	41.8	120.0	2.5	39.0
Max		0.78	0.24	0.80	inf	0.00	0.10	0.01	10.4	88.1	120.0	24.2	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	27
Running time in seconds for writing input file (t^{write})	1.6
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 qkp_new_00500_015_0.txt

Property of graph	Value
Nodes (n)	500
Density (Δ)	15.0 %
Edges (m)	18,740

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
2.5	25,011.0	0.11	0.11	0.22	inf	0.00	0.00	0.00	1.7	41.1	120.0	23.3	120.0
5.0	48,271.0	0.04	0.04	0.02	inf	0.00	0.08	0.01	2.4	56.0	120.0	60.6	120.0
10.0	94,674.0	0.05	0.05	0.08	inf	0.00	0.04	0.01	3.6	71.3	120.0	89.7	120.0
25.0	237,343.0	0.17	0.06	0.06	inf	0.00	0.20	0.01	5.7	91.0	120.0	120.8	120.0
50.0	481,556.0	0.04	0.03	0.03	inf	0.00	0.12	0.01	8.1	87.2	120.0	44.9	120.0
75.0	718,051.0	0.02	0.00	0.01	inf	0.00	0.49	0.01	9.9	72.3	120.0	35.8	120.0
90.0	857,858.0	0.03	0.00	0.00	inf	0.00	0.27	0.00	10.6	55.4	120.0	7.4	120.0
95.0	902,842.0	0.00	0.00	0.00	inf	0.00	0.17	0.00	10.9	50.8	120.0	5.8	120.0
Avg		0.06	0.04	0.05	inf	0.00	0.17	0.01	6.6	65.6	120.0	48.5	120.0
Min		0.00	0.00	0.00	inf	0.00	0.00	0.00	1.7	41.1	120.0	5.8	120.0
Max		0.17	0.11	0.22	inf	0.00	0.49	0.01	10.9	91.0	120.0	120.8	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})	1.7
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 qkp_new_00500_020_0.txt

Property of graph	Value
Nodes (n)	500
Density (Δ)	20.0 %
Edges (m)	24,901

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
2.5	28,684.0	0.05	0.05	0.17	inf	0.00	0.00	0.01	1.6	40.3	120.0	120.2	120.0
5.0	59,757.0	0.30	0.08	0.09	inf	0.52	0.00	0.01	2.5	55.6	120.0	120.6	120.0
10.0	123,807.0	0.50	0.12	0.15	inf	0.21	0.00	0.01	3.5	72.6	120.0	126.7	120.0
25.0	320,339.0	0.31	0.02	0.02	inf	0.00	0.24	0.01	5.9	88.2	120.0	120.8	120.0
50.0	644,998.0	0.34	0.00	0.01	inf	0.00	0.52	0.01	9.0	85.7	120.0	91.5	120.0
75.0	964,071.0	0.26	0.02	0.00	inf	0.00	0.40	0.01	11.2	65.5	120.0	113.9	120.0
90.0	1,152,268.0	0.22	0.21	0.01	inf	0.00	0.23	0.00	11.8	54.3	120.0	120.7	120.0
95.0	1,212,015.0	0.00	0.00	0.00	inf	0.00	0.13	0.00	11.8	47.2	120.0	25.3	120.0
Avg		0.25	0.06	0.06	inf	0.09	0.19	0.01	7.2	63.7	120.0	105.0	120.0
Min		0.00	0.00	0.00	inf	0.00	0.00	0.00	1.6	40.3	120.0	25.3	120.0
Max		0.50	0.21	0.17	inf	0.52	0.52	0.01	11.8	88.2	120.0	126.7	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})	1.8
Running time in seconds for executing parametric cut procedure (t^{cut})	0.3
Running time in seconds for reading result file (t^{read})	0.0

File qkp_new_00500_025_0.txt

Property of graph	Value
Nodes (n)	500
Density (Δ)	25.0 %
Edges (m)	31,207

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
2.5	41,898.0	0.00	0.00	0.50	inf	0.00	0.00	0.00	1.7	43.4	120.0	37.3	76.0
5.0	82,110.0	0.02	0.00	0.02	inf	0.00	0.18	0.01	2.5	57.3	120.0	92.5	120.0
10.0	163,284.0	0.13	0.08	0.03	inf	0.00	0.42	0.01	3.6	71.9	120.0	98.9	120.0
25.0	409,224.0	0.05	0.05	0.01	inf	0.01	0.00	0.01	5.8	88.7	120.0	121.1	120.0
50.0	805,200.0	0.30	0.00	0.01	inf	0.21	0.99	0.01	8.1	84.3	120.0	121.3	120.0
75.0	1,195,282.0	0.09	0.03	0.01	inf	0.00	0.73	0.01	9.7	65.3	120.0	115.5	120.0
90.0	1,425,503.0	0.04	0.02	0.00	inf	0.00	0.56	0.01	10.5	52.0	120.0	121.1	120.0
95.0	1,501,428.0	0.08	0.02	0.00	inf	0.00	0.18	0.00	10.7	48.7	120.0	59.0	120.0
Avg		0.09	0.03	0.07	inf	0.03	0.38	0.01	6.6	64.0	120.0	95.8	114.5
Min		0.00	0.00	0.00	inf	0.00	0.00	0.00	1.7	43.4	120.0	37.3	76.0
Max		0.30	0.08	0.50	inf	0.21	0.99	0.01	10.7	88.7	120.0	121.3	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})	1.8
Running time in seconds for executing parametric cut procedure (t^{cut})	0.3
Running time in seconds for reading result file (t^{read})	0.0

File qkp_new_00500_050_0.txt

Property of graph	Value
Nodes (n)	500
Density (Δ)	50.0 %
Edges (m)	62,160

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
2.5	74,904.0	0.22	0.22	0.00	inf	0.18	0.05	0.01	1.7	43.7	120.0	120.1	120.0
5.0	159,926.0	1.06	0.08	0.00	inf	0.95	0.56	0.01	2.5	58.9	120.0	120.1	120.0
10.0	318,170.0	0.00	0.00	0.00	inf	0.00	0.82	0.01	3.6	73.7	120.0	118.6	120.0
25.0	783,776.0	0.20	0.05	0.00	inf	0.54	1.48	0.01	5.7	88.5	120.0	120.9	120.0
50.0	1,582,969.0	0.09	0.04	0.00	inf	0.54	1.06	0.01	8.0	85.3	120.0	120.1	120.0
75.0	2,372,768.0	0.39	0.02	0.00	inf	0.00	1.70	0.01	9.5	65.5	120.0	121.4	120.0
90.0	2,834,596.0	0.05	0.03	0.00	inf	0.00	0.45	0.00	10.3	51.6	120.0	118.9	120.0
95.0	2,986,257.0	0.06	0.06	0.00	inf	0.03	0.23	0.00	10.5	46.9	120.0	120.3	120.0
Avg		0.26	0.06	0.00	inf	0.28	0.79	0.01	6.5	64.3	120.0	120.0	120.0
Min		0.00	0.00	0.00	inf	0.00	0.05	0.00	1.7	43.7	120.0	118.6	120.0
Max		1.06	0.22	0.00	inf	0.95	1.70	0.01	10.5	88.5	120.0	121.4	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})	2.0
Running time in seconds for executing parametric cut procedure (t^{cut})	0.3
Running time in seconds for reading result file (t^{read})	0.0

File qkp_new_00500_075_0.txt

Property of graph	Value
Nodes (n)	500
Density (Δ)	75.0 %
Edges (m)	93,314

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
2.5	102,064.0	0.28	0.00	0.00	inf	2,230.23	2.30	0.01	1.7	40.9	120.0	120.1	120.0
5.0	214,500.0	1.35	0.00	0.00	inf	1,377.58	1.29	0.01	2.4	55.2	120.0	120.1	120.0
10.0	452,855.0	0.34	0.17	0.00	inf	703.33	2.25	0.01	3.8	71.2	120.0	120.1	120.0
25.0	1,186,833.0	0.40	0.25	0.00	inf	328.90	2.13	0.01	6.1	88.7	120.0	120.2	120.0
50.0	2,363,078.0	0.33	0.27	0.00	inf	107.27	2.80	0.01	8.5	83.9	120.0	120.1	120.0
75.0	3,532,442.0	0.20	0.16	0.00	inf	31.84	2.18	0.01	10.2	66.1	120.0	120.1	120.0
90.0	4,250,539.0	0.01	0.01	0.00	inf	9.61	0.82	0.01	11.0	78.4	120.0	120.1	120.0
95.0	4,486,870.0	0.06	0.04	0.00	inf	4.00	0.28	0.00	11.2	49.8	120.0	120.1	120.0
Avg		0.37	0.11	0.00	inf	599.10	1.76	0.01	6.9	66.8	120.0	120.1	120.0
Min		0.01	0.00	0.00	inf	4.00	0.28	0.00	1.7	40.9	120.0	120.1	120.0
Max		1.35	0.27	0.00	inf	2,230.23	2.80	0.01	11.2	88.7	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})	2.3
Running time in seconds for executing parametric cut procedure (t^{cut})	0.3
Running time in seconds for reading result file (t^{read})	0.0

File qkp_new_00500_100_0.txt

Property of graph	Value
Nodes (n)	500
Density (Δ)	100.0 %
Edges (m)	124,750

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
2.5	165,757.0	0.84	0.21	0.00	inf	1,561.06	3.35	0.01	1.9	44.4	120.0	120.1	120.0
5.0	348,356.0	0.63	0.46	0.00	inf	0.56	2.35	0.01	2.7	59.0	120.0	120.2	120.0
10.0	696,244.0	0.00	0.00	0.00	inf	0.00	1.28	0.01	3.9	74.2	120.0	85.5	120.0
25.0	1,700,166.0	0.26	0.18	0.00	inf	37.84	1.71	0.00	6.1	88.0	120.0	120.1	120.0
50.0	3,239,826.0	0.04	0.02	0.00	inf	29.90	2.62	0.01	8.6	101.5	120.0	120.1	120.0
75.0	4,771,603.0	0.16	0.14	0.00	inf	12.51	1.91	0.01	10.0	97.9	120.0	120.1	120.0
90.0	5,689,984.0	0.16	0.15	0.00	inf	4.29	0.72	0.01	10.7	53.3	120.0	120.1	120.0
95.0	6,001,259.0	0.09	0.07	0.00	inf	2.25	0.35	0.00	10.9	46.7	120.0	120.1	120.0
Avg		0.27	0.15	0.00	inf	206.05	1.79	0.01	6.9	70.6	120.0	115.8	120.0
Min		0.00	0.00	0.00	inf	0.00	0.35	0.00	1.9	44.4	120.0	85.5	120.0
Max		0.84	0.46	0.00	inf	1,561.06	3.35	0.01	10.9	101.5	120.0	120.2	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})	2.6
Running time in seconds for executing parametric cut procedure (t^{cut})	0.3
Running time in seconds for reading result file (t^{read})	0.0

File qkp_new_01000_005_0.txt

Property of graph	Value
Nodes (n)	1,000
Density (Δ)	5.0 %
Edges (m)	25,001

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
2.5	29,770.0	0.82	0.39	inf	inf	0.05	0.00	0.02	8.5	120.0	120.0	120.1	120.0
5.0	60,193.0	0.15	0.00	inf	inf	1.58	0.09	0.01	13.0	120.0	120.0	121.3	120.0
10.0	122,346.0	0.20	0.02	inf	inf	8.03	0.00	0.02	20.1	120.0	120.0	120.9	120.0
25.0	315,930.0	0.04	0.00	inf	inf	3.56	0.15	0.03	33.5	120.0	120.0	120.8	120.0
50.0	642,487.0	0.01	0.00	inf	inf	0.42	0.13	0.03	46.6	120.0	120.0	120.7	120.0
75.0	965,639.0	0.08	0.01	inf	inf	0.00	0.40	0.02	55.9	120.0	120.0	119.0	120.0
90.0	1,153,319.0	0.04	0.04	inf	inf	0.00	0.13	0.01	60.9	120.0	120.0	12.3	120.0
95.0	1,211,977.0	0.04	0.03	inf	inf	0.00	0.00	0.01	63.1	120.0	120.0	10.7	120.0
Avg		0.17	0.06	inf	inf	1.71	0.11	0.02	37.7	120.0	120.0	93.2	120.0
Min		0.01	0.00	inf	inf	0.00	0.00	0.01	8.5	120.0	120.0	10.7	120.0
Max		0.82	0.39	inf	inf	8.03	0.40	0.03	63.1	120.0	120.0	121.3	120.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	20
Running time in seconds for writing input file (t^{write})	3.2
Running time in seconds for executing parametric cut procedure (t^{cut})	0.4
Running time in seconds for reading result file (t^{read})	0.0

File qkp_new_01000_010_0.txt

Property of graph	Value
Nodes (n)	1,000
Density (Δ)	10.0 %
Edges (m)	50,050

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
2.5	56,113.0	0.11	0.00	inf	inf	6.88	0.20	0.03	9.1	120.0	120.0	120.1	120.0
5.0	117,655.0	0.08	0.00	inf	inf	7.06	0.11	0.01	13.8	120.0	120.0	120.1	120.0
10.0	242,522.0	0.23	0.00	inf	inf	4.22	0.11	0.02	22.0	120.0	120.0	120.1	120.0
25.0	620,926.0	0.15	0.00	inf	inf	3.31	0.41	0.03	35.5	120.0	120.0	121.8	120.0
50.0	1,265,631.0	0.00	0.00	inf	inf	1.80	0.58	0.03	48.5	120.0	120.0	123.0	120.0
75.0	1,915,305.0	0.07	0.00	inf	inf	0.03	0.84	0.01	58.5	120.0	120.0	120.1	120.0
90.0	2,293,069.0	0.06	0.03	inf	inf	0.00	0.19	0.01	61.7	120.0	120.0	95.2	120.0
95.0	2,417,400.0	0.01	0.00	inf	inf	0.00	0.15	0.01	62.0	120.0	120.0	12.5	120.0
Avg		0.09	0.00	inf	inf	2.91	0.32	0.02	38.9	120.0	120.0	104.1	120.0
Min		0.00	0.00	inf	inf	0.00	0.11	0.01	9.1	120.0	120.0	12.5	120.0
Max		0.23	0.03	inf	inf	7.06	0.84	0.03	62.0	120.0	120.0	123.0	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})	3.5
Running time in seconds for executing parametric cut procedure (t^{cut})	0.5
Running time in seconds for reading result file (t^{read})	0.0

File qkp_new_01000_015_0.txt

Property of graph	Value
Nodes (n)	1,000
Density (Δ)	15.0 %
Edges (m)	75,129

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
2.5	91,203.0	0.37	0.17	inf	inf	2,143.06	0.00	0.03	10.6	120.0	120.0	120.2	120.0
5.0	188,221.0	0.00	0.00	inf	inf	4.14	0.15	0.01	15.4	120.0	120.0	120.1	120.0
10.0	382,674.0	0.03	0.00	inf	inf	2.66	0.77	0.02	22.4	120.0	120.0	120.2	120.0
25.0	966,759.0	0.03	0.00	inf	inf	0.33	0.34	0.02	35.9	120.0	120.0	120.2	120.0
50.0	1,925,013.0	0.02	0.00	inf	inf	0.48	1.05	0.02	50.6	120.0	120.0	122.9	120.0
75.0	2,874,013.0	0.03	0.00	inf	inf	0.03	0.73	0.02	59.8	120.0	120.0	120.2	120.0
90.0	3,439,061.0	0.07	0.03	inf	inf	0.00	0.39	0.01	64.0	120.0	120.0	109.6	120.0
95.0	3,621,899.0	0.13	0.12	inf	inf	0.00	0.13	0.01	63.5	120.0	120.0	103.8	120.0
Avg		0.08	0.04	inf	inf	268.84	0.44	0.02	40.3	120.0	120.0	117.1	120.0
Min		0.00	0.00	inf	inf	0.00	0.00	0.01	10.6	120.0	120.0	103.8	120.0
Max		0.37	0.17	inf	inf	2,143.06	1.05	0.03	64.0	120.0	120.0	122.9	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})	3.9
Running time in seconds for executing parametric cut procedure (t^{cut})	0.5
Running time in seconds for reading result file (t^{read})	0.0

File qkp_new_01000_020_0.txt

Property of graph	Value
Nodes (n)	1,000
Density (Δ)	20.0 %
Edges (m)	99,902

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
2.5	121,608.0	0.47	0.00	inf	inf	1,940.75	0.50	0.03	10.2	120.0	120.0	120.1	120.0
5.0	253,653.0	0.15	0.00	inf	inf	1,612.71	0.36	0.01	15.0	120.0	120.0	120.1	120.0
10.0	507,090.0	0.44	0.00	inf	inf	638.27	0.46	0.02	22.1	120.0	120.0	120.3	120.0
25.0	1,263,552.0	0.17	0.00	inf	inf	274.80	0.78	0.03	35.5	120.0	120.0	120.1	120.0
50.0	2,530,425.0	0.18	0.00	inf	inf	88.12	1.43	0.03	48.5	120.0	120.0	120.1	120.0
75.0	3,814,074.0	0.00	0.00	inf	inf	28.64	1.05	0.02	57.4	120.0	120.0	120.1	120.0
90.0	4,576,945.0	0.03	0.00	inf	inf	0.00	0.42	0.01	60.6	120.0	120.0	36.9	120.0
95.0	4,823,715.0	0.17	0.00	inf	inf	0.01	0.15	0.01	62.6	120.0	120.0	38.2	120.0
Avg		0.20	0.00	inf	inf	572.91	0.64	0.02	39.0	120.0	120.0	99.5	120.0
Min		0.00	0.00	inf	inf	0.00	0.15	0.01	10.2	120.0	120.0	36.9	120.0
Max		0.47	0.00	inf	inf	1,940.75	1.43	0.03	62.6	120.0	120.0	120.3	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})	3.8
Running time in seconds for executing parametric cut procedure (t^{cut})	0.5
Running time in seconds for reading result file (t^{read})	0.0

File qkp_new_01000_025_0.txt

Property of graph	Value
Nodes (n)	1,000
Density (Δ)	25.0 %
Edges (m)	124,753

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
2.5	137,855.0	0.00	0.00	inf	inf	2,075.74	0.60	0.03	10.0	120.0	120.0	120.2	120.0
5.0	282,090.0	0.00	0.00	inf	inf	1,090.05	1.44	0.01	14.6	120.0	120.0	120.2	120.0
10.0	580,858.0	0.30	0.00	inf	inf	607.22	0.60	0.02	21.1	120.0	120.0	120.2	120.0
25.0	1,491,735.0	0.12	0.00	inf	inf	1.09	1.09	0.03	34.5	120.0	120.0	120.3	120.0
50.0	3,072,850.0	0.01	0.00	inf	inf	13.37	1.95	0.03	49.4	120.0	120.0	120.2	120.0
75.0	4,691,941.0	0.01	0.00	inf	inf	7.87	1.60	0.02	59.3	120.0	120.0	120.3	120.0
90.0	5,673,541.0	0.03	0.00	inf	inf	3.83	0.40	0.01	62.9	120.0	120.0	120.2	120.0
95.0	5,990,083.0	0.02	0.00	inf	inf	2.15	0.04	0.01	65.0	120.0	120.0	120.3	120.0
Avg		0.06	0.00	inf	inf	475.16	0.96	0.02	39.6	120.0	120.0	120.3	120.0
Min		0.00	0.00	inf	inf	1.09	0.04	0.01	10.0	120.0	120.0	120.2	120.0
Max		0.30	0.00	inf	inf	2,075.74	1.95	0.03	65.0	120.0	120.0	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})	4.1
Running time in seconds for executing parametric cut procedure (t^{cut})	0.5
Running time in seconds for reading result file (t^{read})	0.0

File qkp_new_01000_050_0.txt

Property of graph	Value
Nodes (n)	1,000
Density (Δ)	50.0 %
Edges (m)	249,625

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
2.5	278,236.0	0.16	0.00	inf	inf	2,874.51	1.51	0.03	10.0	120.0	120.0	120.3	120.0
5.0	584,895.0	0.64	0.00	inf	inf	1,260.54	1.61	0.01	14.9	120.0	120.0	120.3	120.0
10.0	1,182,337.0	0.41	0.00	inf	inf	774.42	2.33	0.02	22.0	120.0	120.0	120.5	120.0
25.0	3,059,769.0	0.00	0.00	inf	inf	249.91	2.22	0.03	36.6	120.0	120.0	120.3	120.0
50.0	6,271,371.0	0.04	0.00	inf	inf	92.10	2.45	0.03	52.5	120.0	120.0	120.3	120.0
75.0	9,459,538.0	0.03	0.00	inf	inf	32.24	1.89	0.02	58.3	120.0	120.0	120.3	120.0
90.0	11,345,227.0	0.00	0.00	inf	inf	11.35	0.82	0.01	61.9	120.0	120.0	120.4	120.0
95.0	11,969,693.0	0.01	0.00	inf	inf	6.06	0.26	0.01	63.5	120.0	120.0	120.7	120.0
Avg		0.16	0.00	inf	inf	662.64	1.64	0.02	40.0	120.0	120.0	120.4	120.0
Min		0.00	0.00	inf	inf	6.06	0.26	0.01	10.0	120.0	120.0	120.3	120.0
Max		0.64	0.00	inf	inf	2,874.51	2.45	0.03	63.5	120.0	120.0	120.7	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})	5.1
Running time in seconds for executing parametric cut procedure (t^{cut})	0.7
Running time in seconds for reading result file (t^{read})	0.0

File qkp_new_02000_005_0.txt

Property of graph	Value
Nodes (n)	2,000
Density (Δ)	5.0 %
Edges (m)	99,761

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
2.5	114,061.0	0.07	0.00	inf	inf	1,702.48	0.23	0.13	59.3	120.0	120.0	120.1	120.0
5.0	234,171.0	0.14	0.00	inf	inf	5.04	0.17	0.03	90.9	120.0	120.0	123.0	120.0
10.0	484,077.0	0.03	0.00	inf	inf	46.94	0.37	0.06	120.1	120.0	120.0	120.1	120.0
25.0	1,227,337.0	0.07	0.00	inf	inf	2.79	0.41	0.10	120.1	120.0	120.0	124.1	120.0
50.0	2,487,374.0	0.00	0.00	inf	inf	13.21	0.83	0.11	120.0	120.0	120.0	120.1	120.0
75.0	3,785,565.0	0.02	0.00	inf	inf	9.14	0.79	0.10	120.1	120.0	120.0	120.1	120.0
90.0	4,553,755.0	0.00	0.00	inf	inf	0.01	0.22	0.07	120.1	120.0	120.0	120.1	120.0
95.0	4,800,486.0	0.01	0.00	inf	inf	0.00	0.20	0.07	120.1	120.0	120.0	68.4	120.0
Avg		0.04	0.00	inf	inf	222.45	0.40	0.08	108.8	120.0	120.0	114.5	120.0
Min		0.00	0.00	inf	inf	0.00	0.17	0.03	59.3	120.0	120.0	68.4	120.0
Max		0.14	0.00	inf	inf	1,702.48	0.83	0.13	120.1	120.0	120.0	124.1	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})	7.0
Running time in seconds for executing parametric cut procedure (t^{cut})	0.8
Running time in seconds for reading result file (t^{read})	0.0

File qkp_new_02000_010_0.txt

Property of graph	Value
Nodes (n)	2,000
Density (Δ)	10.0 %
Edges (m)	200,028

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
2.5	227,190.0	0.16	0.00	inf	inf	2,558.13	0.59	0.13	61.6	120.0	120.0	120.3	120.0
5.0	470,210.0	0.07	0.00	inf	inf	1,590.73	0.70	0.03	95.1	120.0	120.0	120.4	120.0
10.0	978,307.0	0.00	0.00	inf	inf	715.15	0.62	0.06	120.0	120.0	120.0	120.4	120.0
25.0	2,506,007.0	0.01	0.00	inf	inf	270.49	1.02	0.10	120.0	120.0	120.0	121.1	120.0
50.0	5,059,189.0	0.03	0.00	inf	inf	91.29	1.62	0.11	120.1	120.0	120.0	123.8	120.0
75.0	7,614,896.0	0.05	0.00	inf	inf	31.67	1.36	0.10	120.2	120.0	120.0	123.9	120.0
90.0	9,145,556.0	0.01	0.00	inf	inf	0.02	0.36	0.07	120.1	120.0	120.0	120.4	120.0
95.0	9,645,246.0	0.00	0.00	inf	inf	0.02	0.36	0.07	120.0	120.0	120.0	120.4	120.0
Avg		0.04	0.00	inf	inf	657.19	0.83	0.08	109.6	120.0	120.0	121.3	120.0
Min		0.00	0.00	inf	inf	0.02	0.36	0.03	61.6	120.0	120.0	120.3	120.0
Max		0.16	0.00	inf	inf	2,558.13	1.62	0.13	120.2	120.0	120.0	123.9	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})	7.8
Running time in seconds for executing parametric cut procedure (t^{cut})	1.0
Running time in seconds for reading result file (t^{read})	0.0

File qkp_new_02000_015_0.txt

Property of graph	Value
Nodes (n)	2,000
Density (Δ)	15.0 %
Edges (m)	300,203

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
2.5	328,829.0	0.24	0.00	inf	inf	3,287.55	1.29	0.13	61.9	120.0	120.0	121.7	120.0
5.0	687,320.0	0.08	0.00	inf	inf	1,599.44	1.42	0.03	93.2	120.0	120.0	121.3	120.0
10.0	1,425,447.0	0.01	0.00	inf	inf	854.27	1.49	0.06	120.0	120.0	120.0	120.4	120.0
25.0	3,664,940.0	0.09	0.00	inf	inf	278.65	2.24	0.10	120.0	120.0	120.0	125.9	120.0
50.0	7,525,863.0	0.00	0.00	inf	inf	99.21	2.59	0.12	120.0	120.0	120.0	120.8	120.0
75.0	11,346,893.0	0.00	0.00	inf	inf	34.87	1.61	0.10	120.0	120.0	120.0	123.5	120.0
90.0	13,643,284.0	0.00	0.01	inf	inf	11.48	0.60	0.08	120.1	120.0	120.0	125.2	120.0
95.0	14,410,217.0	0.01	0.00	inf	inf	5.98	0.25	0.07	120.1	120.0	120.0	122.2	120.0
Avg		0.05	0.00	inf	inf	771.43	1.44	0.09	109.4	120.0	120.0	122.6	120.0
Min		0.00	0.00	inf	inf	5.98	0.25	0.03	61.9	120.0	120.0	120.4	120.0
Max		0.24	0.01	inf	inf	3,287.55	2.59	0.13	120.1	120.0	120.0	125.9	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})	8.5
Running time in seconds for executing parametric cut procedure (t^{cut})	1.1
Running time in seconds for reading result file (t^{read})	0.0

File qkp_new_02000_020_0.txt

Property of graph	Value
Nodes (n)	2,000
Density (Δ)	20.0 %
Edges (m)	400,370

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
2.5	483,109.0	0.28	0.00	inf	inf	3,680.20	1.20	0.13	65.0	120.0	120.0	122.3	120.0
5.0	972,320.0	0.06	0.00	inf	inf	1,708.36	2.32	0.03	98.1	120.0	120.0	125.5	120.0
10.0	1,951,383.0	0.02	0.00	inf	inf	792.98	1.93	0.06	120.1	120.0	120.0	125.9	120.0
25.0	4,928,165.0	0.00	0.00	inf	inf	267.33	3.23	0.10	120.0	120.0	120.0	125.0	120.0
50.0	9,926,433.0	0.02	0.00	inf	inf	89.01	3.21	0.12	120.0	120.0	120.0	120.4	120.0
75.0	15,037,375.0	0.00	0.00	inf	inf	32.10	2.50	0.10	120.1	120.0	120.0	120.5	120.0
90.0	18,148,621.0	0.00	0.00	inf	inf	11.51	0.87	0.08	120.1	120.0	120.0	120.5	120.0
95.0	19,184,949.0	0.00	0.00	inf	inf	5.30	0.29	0.07	120.0	120.0	120.0	122.7	120.0
Avg		0.05	0.00	inf	inf	823.35	1.94	0.09	110.4	120.0	120.0	122.8	120.0
Min		0.00	0.00	inf	inf	5.30	0.29	0.03	65.0	120.0	120.0	120.4	120.0
Max		0.28	0.00	inf	inf	3,680.20	3.23	0.13	120.1	120.0	120.0	125.9	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})	9.3
Running time in seconds for executing parametric cut procedure (t^{cut})	1.2
Running time in seconds for reading result file (t^{read})	0.0

File qkp_new_02000_025_0.txt

Property of graph	Value
Nodes (n)	2,000
Density (Δ)	25.0 %
Edges (m)	499,502

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
2.5	546,863.0	0.01	0.00	inf	inf	4,177.05	2.52	0.12	63.4	120.0	120.0	124.4	121.0
5.0	1,149,437.0	0.03	0.00	inf	inf	1,663.32	2.77	0.03	96.8	120.0	120.0	126.9	121.0
10.0	2,419,775.0	0.02	0.00	inf	inf	865.60	2.74	0.06	120.0	120.0	120.0	120.5	121.0
25.0	6,237,372.0	0.00	0.00	inf	inf	289.16	3.49	0.10	120.0	120.0	120.0	120.5	121.0
50.0	12,473,837.0	0.01	0.00	inf	inf	96.59	3.61	0.11	120.0	120.0	120.0	121.7	121.0
75.0	18,848,119.0	0.00	0.00	inf	inf	33.01	2.23	0.10	120.1	120.0	120.0	125.2	120.0
90.0	22,693,042.0	0.01	0.00	inf	inf	11.30	0.58	0.08	120.0	120.0	120.0	121.3	120.0
95.0	23,972,856.0	0.01	0.00	inf	inf	5.55	0.26	0.07	120.0	120.0	120.0	120.5	120.0
Avg		0.01	0.00	inf	inf	892.70	2.27	0.08	110.1	120.0	120.0	122.6	120.6
Min		0.00	0.00	inf	inf	5.55	0.26	0.03	63.4	120.0	120.0	120.5	120.0
Max		0.03	0.00	inf	inf	4,177.05	3.61	0.12	120.1	120.0	120.0	126.9	121.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	5
Running time in seconds for writing input file (t^{write})	10.3
Running time in seconds for executing parametric cut procedure (t^{cut})	1.3
Running time in seconds for reading result file (t^{read})	0.0

File qkp_new_05000_005_0.txt

Property of graph	Value
Nodes (n)	5,000
Density (Δ)	5.0 %
Edges (m)	625,102

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
2.5	734,874.0	0.00	0.00	inf	inf	2,588.79	2.13	0.88	120.0	120.0	120.0	120.6	121.0
5.0	1,513,897.0	0.00	0.00	inf	inf	1,553.10	1.94	0.20	120.1	120.0	120.0	120.5	121.0
10.0	3,070,623.0	0.07	0.00	inf	inf	793.72	2.83	0.36	120.5	120.0	120.0	120.4	121.0
25.0	7,767,841.0	0.00	0.01	inf	inf	267.95	3.82	0.62	120.6	120.0	120.0	120.3	121.0
50.0	15,737,574.0	0.00	0.01	inf	inf	94.38	4.01	0.71	120.8	120.0	120.0	120.5	121.0
75.0	23,724,501.0	0.00	0.00	inf	inf	32.14	1.83	0.65	120.0	120.0	120.0	120.4	121.0
90.0	28,500,615.0	0.00	0.01	inf	inf	10.56	0.54	0.50	120.9	120.0	120.0	120.3	121.0
95.0	30,065,724.0	0.00	0.00	inf	inf	5.06	0.29	0.50	120.6	120.0	120.0	120.3	121.0
Avg		0.01	0.00	inf	inf	668.21	2.17	0.55	120.4	120.0	120.0	120.4	121.0
Min		0.00	0.00	inf	inf	5.06	0.29	0.20	120.0	120.0	120.0	120.3	121.0
Max		0.07	0.01	inf	inf	2,588.79	4.01	0.88	120.9	120.0	120.0	120.6	121.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	10
Running time in seconds for writing input file (t^{write})	20.8
Running time in seconds for executing parametric cut procedure (t^{cut})	2.6
Running time in seconds for reading result file (t^{read})	0.0

File qkp_new_05000_010_0.txt

Property of graph	Value
Nodes (n)	5,000
Density (Δ)	10.0 %
Edges (m)	1,249,818

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
2.5	1,472,956.0	0.00	0.00	inf	inf	3,446.22	3.70	0.93	120.1	120.0	120.0	120.8	122.0
5.0	3,038,098.0	0.00	0.00	inf	inf	1,674.59	4.50	0.23	120.0	120.0	120.0	121.8	123.0
10.0	6,201,401.0	0.00	0.00	inf	inf	841.07	5.45	0.39	120.1	120.0	120.0	121.1	123.0
25.0	15,689,959.0	0.00	0.00	inf	inf	297.14	6.42	0.69	120.7	120.0	120.0	121.5	122.0
50.0	31,557,092.0	0.01	0.00	inf	inf	98.49	6.20	0.78	121.0	120.0	120.0	120.8	123.0
75.0	47,408,689.0	0.00	0.00	inf	inf	34.46	3.08	0.67	120.0	120.0	120.0	121.6	123.0
90.0	56,893,794.0	0.00	0.00	inf	inf	12.24	0.90	0.55	121.2	120.0	120.0	121.0	123.0
95.0	60,055,198.0	0.00	0.01	inf	inf	6.04	0.40	0.52	120.7	120.0	120.0	121.7	123.0
Avg		0.00	0.00	inf	inf	801.28	3.83	0.60	120.5	120.0	120.0	121.3	122.8
Min		0.00	0.00	inf	inf	6.04	0.40	0.23	120.0	120.0	120.0	120.8	122.0
Max		0.01	0.01	inf	inf	3,446.22	6.42	0.93	121.2	120.0	120.0	121.8	123.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	7
Running time in seconds for writing input file (t^{write})	26.6
Running time in seconds for executing parametric cut procedure (t^{cut})	3.3
Running time in seconds for reading result file (t^{read})	0.0

File qkp_new_05000_015_0.txt

Property of graph	Value
Nodes (n)	5,000
Density (Δ)	15.0 %
Edges (m)	1,872,829

		Deviation from best OFV (%)						Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly	QKBP*	GR	DP	QK	Gurobi	Hexaly
2.5	2,162,686.0	0.11	0.00	inf	inf	inf	5.41	0.85	120.2	120.0	120.0	120.8	120.0
5.0	4,463,106.0	0.03	0.00	inf	inf	inf	6.83	0.20	120.3	120.0	120.0	121.1	120.0
10.0	9,107,978.0	0.02	0.00	inf	inf	inf	7.65	0.35	120.2	120.0	120.0	120.9	121.0
25.0	23,234,191.0	0.02	0.00	inf	inf	inf	8.76	0.60	120.3	120.0	120.0	120.7	120.0
50.0	46,893,056.0	0.00	0.00	inf	inf	inf	8.06	0.69	121.0	120.0	120.0	122.5	120.0
75.0	70,814,520.0	0.00	0.00	inf	inf	inf	3.54	0.62	120.7	120.0	120.0	121.1	120.0
90.0	85,234,601.0	0.00	0.00	inf	inf	inf	1.18	0.53	120.6	120.0	120.0	122.8	120.0
95.0	89,988,410.0	0.00	0.00	inf	inf	inf	0.44	0.48	121.1	120.0	120.0	121.9	120.0
Avg		0.02	0.00	inf	inf	inf	5.23	0.54	120.6	120.0	120.0	121.5	120.1
Min		0.00	0.00	inf	inf	inf	0.44	0.20	120.2	120.0	120.0	120.7	120.0
Max		0.11	0.00	inf	inf	inf	8.76	0.85	121.1	120.0	120.0	122.8	121.0

*The contribution in this paper

QKBP-specific information	Value
Number of breakpoints	5
Running time in seconds for writing input file (t^{write})	31.7
Running time in seconds for executing parametric cut procedure (t^{cut})	4.1
Running time in seconds for reading result file (t^{read})	0.0

File qkp_new_05000_020_0.txt

Property of graph	Value
Nodes (n)	5,000
Density (Δ)	20.0 %
Edges (m)	2,499,350

		Deviation from best OFV (%)							Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly		QKBP*	GR	DP	QK	Gurobi	Hexaly
2.5	2,879,345.0	0.00	0.00	inf	inf	inf	8.64		0.92	120.1	120.0	120.0	120.4	120.0
5.0	5,808,275.0	0.01	0.00	inf	inf	inf	8.40		0.21	120.3	120.0	120.0	120.6	120.0
10.0	11,815,088.0	0.02	0.00	inf	inf	inf	8.92		0.38	120.4	120.0	120.0	120.4	120.0
25.0	30,587,805.0	0.01	0.00	inf	inf	inf	9.12		0.66	120.5	120.0	120.0	120.5	120.0
50.0	62,306,380.0	0.00	0.04	inf	inf	inf	8.42		0.75	121.0	120.0	120.0	120.4	120.0
75.0	94,222,912.0	0.00	0.00	inf	inf	inf	3.77		0.67	120.8	120.0	120.0	120.4	120.0
90.0	113,503,480.0	0.00	0.00	inf	inf	inf	1.39		0.55	121.2	120.0	120.0	120.4	120.0
95.0	119,944,097.0	0.00	0.04	inf	inf	inf	0.52		0.54	120.1	120.0	120.0	120.4	120.0
Avg		0.01	0.01	inf	inf	inf	6.15		0.59	120.5	120.0	120.0	120.4	120.0
Min		0.00	0.00	inf	inf	inf	0.52		0.21	120.1	120.0	120.0	120.4	120.0
Max		0.02	0.04	inf	inf	inf	9.12		0.92	121.2	120.0	120.0	120.6	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})	36.2
Running time in seconds for executing parametric cut procedure (t^{cut})	5.1
Running time in seconds for reading result file (t^{read})	0.0

File qkp_new_10000_005_0.txt

Property of graph	Value
Nodes (n)	10,000
Density (Δ)	5.0 %
Edges (m)	2,495,694

		Deviation from best OFV (%)							Running time (s)					
γ	Best OFV	QKBP*	GR	DP	QK	Gurobi	Hexaly		QKBP*	GR	DP	QK	Gurobi	Hexaly
2.5	2,834,463.0	0.00	0.00	inf	inf	inf	6.91		4.14	120.4	120.0	120.0	120.4	120.0
5.0	5,916,639.0	0.00	0.01	inf	inf	inf	6.76		0.92	120.1	120.0	120.0	120.4	120.0
10.0	12,161,994.0	0.00	0.00	inf	inf	inf	7.48		1.69	121.2	120.0	120.0	120.4	120.0
25.0	30,835,392.0	0.01	0.00	inf	inf	inf	8.66		2.85	123.7	120.0	120.0	120.4	120.0
50.0	62,476,819.0	0.00	0.00	inf	inf	inf	7.45		3.38	121.5	120.0	120.0	120.4	120.0
75.0	94,379,334.0	0.00	0.00	inf	inf	inf	3.74		3.11	122.1	120.0	120.0	120.4	120.0
90.0	113,496,076.0	0.00	0.00	inf	inf	inf	1.21		2.59	124.8	120.0	120.0	120.4	120.0
95.0	119,813,742.0	0.00	0.00	inf	inf	inf	0.49		2.27	124.3	120.0	120.0	120.4	120.0
Avg		0.00	0.00	inf	inf	inf	5.34		2.62	122.3	120.0	120.0	120.4	120.0
Min		0.00	0.00	inf	inf	inf	0.49		0.92	120.1	120.0	120.0	120.4	120.0
Max		0.01	0.01	inf	inf	inf	8.66		4.14	124.8	120.0	120.0	120.4	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})	52.6
Running time in seconds for executing parametric cut procedure (t^{cut})	6.9
Running time in seconds for reading result file (t^{read})	0.1