Results for instances from collection Dispersion-QKP with strategy ran

$File\ dispersion-qkp-ran_0300_005.txt$

Property of graph	Value
Nodes (n)	300
Density (Δ)	5.0 %
Edges (m)	2,201

	Deviation from best OFV (%)											Running time (s)							
γ	Best OFV \mid	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly		
2.5	3,836.0	0.34	1.80	0.00	_	21.24	6.50	0.00	0.00	0.00	0.3	2.7	120.0	4.5	1.1	0.4	9.0		
5.0	7,396.0	0.35	1.48	0.00	_	52.94	0.79	0.00	0.00	0.00	0.5	5.8	120.0	5.7	1.4	0.3	8.0		
10.0	14,088.0	0.16	0.54	0.00	_	61.52	2.06	0.00	0.00	0.00	0.7	4.4	120.0	7.6	1.2	0.3	3.0		
25.0	32,567.0	0.07	0.07	0.00	_	54.45	21.75	0.00	0.00	0.00	1.1	5.4	120.0	12.4	1.9	0.4	13.0		
50.0	61,016.0	0.20	0.11	0.00	_	33.45	0.45	0.00	0.00	0.01	1.5	3.5	120.0	12.3	1.6	0.7	12.0		
75.0	87,934.0	0.04	0.06	0.00	_	22.17	1.15	0.00	0.00	0.00	1.9	2.0	120.0	10.9	1.5	0.2	17.0		
Avg	I	0.19	0.68	0.00	_	40.96	5.45	0.00	0.00	0.00	1.0	4.0	120.0	8.9	1.5	0.4	10.3		
Min		0.04	0.06	0.00	_	21.24	0.45	0.00	0.00	0.00	0.3	2.0	120.0	4.5	1.1	0.2	3.0		
Max		0.35	1.80	0.00	_	61.52	21.75	0.00	0.00	0.01	1.9	5.8	120.0	12.4	1.9	0.7	17.0		

QKBP-specific information	Value
Number of breakpoints	21
Running time in seconds for writing input file (t^{write})	0.0042
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0150
Running time in seconds for reading result file (t^{read})	0.0079

$File\ dispersion-qkp-ran_0300_010.txt$

Property of graph	Value
Nodes (n)	300
Density (Δ)	10.0 %
Edges (m)	4,528

	Deviation from best OFV (%)											Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly		
2.5 5.0 10.0	7,186.0 13,916.0 26,913.0	1.57 0.89 0.20	0.07 0.14 0.00	0.00 0.00 0.00	_	50.59 106.56 117.43	=	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.3 0.5 0.7	2.9 3.1 7.5	120.0 120.0 120.0	3.6 4.4 6.9	120.0 120.0 120.0	0.6 0.5 1.0	7.0 7.0 22.0		
25.0 50.0 75.0	63,706.0 123,347.0 180,546.0	0.22	0.11 0.00 0.02	0.00 0.00 0.00	_	77.11 44.66 21.29	_	0.00 0.00 0.00	0.00 0.00 0.00	0.01 0.00 0.00	1.1 1.5 1.8	5.0 3.7 2.0	120.0 120.0 120.0 120.0	11.4 11.0 10.9	120.0 120.0 120.0 120.0	4.9 4.3 1.2	54.0 120.0 55.0		
Avg Min Max		0.57 0.02 1.57	0.06 0.00 0.14	0.00 0.00 0.00	_	69.61 21.29 117.43	_	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.01	1.0 0.3 1.8	4.0 2.0 7.5	120.0 120.0 120.0	8.0 3.6 11.4	120.0 120.0 120.0	2.1 0.5 4.9	44.2 7.0 120.0		

QKBP-specific information	Value
Number of breakpoints	13
Running time in seconds for writing input file (t^{write})	0.0129
Running time in seconds for executing parametric cut procedure (t^{cut}	0.0150
Running time in seconds for reading result file (t^{read})	0.0089

$File\ dispersion\mbox{-}qkp\mbox{-}ran\mbox{-}0300\mbox{-}025.txt$

Property of graph	Value
Nodes (n)	300
Density (Δ)	25.0 %
Edges (m)	11,187

Deviation from best OFV (%)											Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	
2.5	16,668.0	1.71	0.00	0.00	_	415.24	4,648.72	0.00	0.00	0.00	0.3	2.7	120.0	2.4	1.5	4.4	20.0	
5.0	32,139.0	0.00	0.00	0.00	_	310.56		0.00	0.00	0.00	0.5	3.3	120.0	4.4	120.0	9.1	40.0	
10.0	61,174.0	0.02	0.21	0.00	_	227.26	_	0.00	0.04	0.00	0.7	5.2	120.0	6.8	120.0	37.4	120.0	
25.0	151,655.0	0.01	0.01	0.00	_	145.00	_	0.00	0.01	0.00	1.1	4.3	120.0	11.4	120.0	22.9	120.0	
50.0	292,807.0	0.04	0.04	0.00	_	72.11	_	0.00	0.05	0.01	1.6	3.7	120.0	11.7	120.0	18.4	120.0	
75.0	430,482.0	0.05	0.02	0.00	_	32.47	_	0.00	0.29	0.00	2.0	2.0	120.0	10.8	120.0	34.9	120.0	
Avg		0.30	0.05	0.00	_	200.44	_	0.00	0.07	0.00	1.0	3.5	120.0	7.9	100.2	21.2	90.0	
Min		0.00	0.00	0.00	_	32.47	4,648.72	0.00	0.00	0.00	0.3	2.0	120.0	$^{2.4}$	1.5	4.4	20.0	
Max		1.71	0.21	0.00	_	415.24	_	0.00	0.29	0.01	2.0	5.2	120.0	11.7	120.0	37.4	120.0	

QKBP-specific information V	Value
Number of breakpoints	9
8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	.0170
8	.0160
Running time in seconds for reading result file (t^{read}) 0.	.0086

$File\ dispersion-qkp-ran_0300_050.txt$

Property of graph	Value
Nodes (n)	300
Density (Δ)	50.0 %
Edges (m)	22,322

						n best C											
		Running time (s)															
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
2.5	33,849.0	0.53	0.44	0.00	_	285.66	_	0.00	0.00	0.00	0.4	2.9	120.0	3.7	120.0	3.4	54.0
5.0	63,941.0	1.03	0.13	0.00	_	385.91	_	0.00	0.00	0.00	0.5	6.0	120.0	4.5	120.0	30.2	120.0
10.0	120,417.0	0.06	0.06	0.00	_	332.87	_	0.00	0.61	0.00	0.8	7.0	120.0	7.4	120.0	120.3	120.0
25.0	294,808.0	0.55	0.29	0.00	_	192.41	_	0.00	1.08	0.01	1.2	5.6	120.0	10.2	120.0	120.5	120.0
50.0	577,776.0	0.22	0.05	0.00	_	82.68	_	0.00	0.93	0.01	1.7	3.4	120.0	9.5	120.0	120.6	120.0
75.0	855,682.0	0.40	0.18	0.00	_	34.73	_	0.00	0.84	0.00	2.0	2.1	120.0	9.8	120.0	120.1	120.0
Avg		0.47	0.19	0.00	_	219.04	_	0.00	0.58	0.00	1.1	4.5	120.0	7.5	120.0	85.9	109.0
Min		0.06	0.05	0.00	_	34.73	_	0.00	0.00	0.00	0.4	2.1	120.0	3.7	120.0	3.4	54.0
Max		1.03	0.44	0.00	_	385.91	_	0.00	1.08	0.01	2.0	7.0	120.0	10.2	120.0	120.6	120.0

QKBP is the contribution in this paper

QKBP-specific information	Value
Number of breakpoints	7
Running time in seconds for writing input file (t^{write})	0.0341
Running time in seconds for executing parametric cut procedure ($t^{\rm C}$	ut) 0.0310
Running time in seconds for reading result file (t^{read})	0.0085

$File\ dispersion-qkp-ran_0300_075.txt$

Property of graph	Value
Nodes (n)	300
Density (Δ)	75.0 %
Edges (m)	33,514

		Running time (s)															
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
2.5	47,288.0		0.00	0.00	_	341.74 450.48	_	0.00	0.00		0.0	2.7	120.0	3.5 4.7	120.0 120.0	6.5	77.0
$\frac{5.0}{10.0}$	91,363.0 176,858.0	$0.40 \\ 1.43$	0.00 0.81	$0.00 \\ 0.00$	_	429.40	_	0.00	1.36	0.00	$0.5 \\ 0.7$		120.0	6.4	120.0	113.3 120.3	120.0 120.0
25.0 50.0	440,392.0 855,143.0	0.72 0.24	0.38 0.11	0.00 0.00		220.07 84.03	_	0.00	1.85 2.56	0.00 0.01	1.2	5.4 3.1	120.0 120.0	10.1 9.7	120.0 120.0	120.8 120.2	120.0 120.0
75.0	1,269,346.0			0.00	_	35.12	_	0.00	1.99	0.00		2.4	120.0	9.8	120.0	65.6	120.0
Avg		0.47	0.22	0.00	_	260.14	_	0.00	1.29	0.00	1.0	3.7	120.0	7.4	120.0	91.1	112.8
Min Max		0.00 1.43	0.00 0.81	$0.00 \\ 0.00$	_	35.12 450.48	_	$0.00 \\ 0.00$	0.00 2.56		$0.3 \\ 1.9$	$\frac{2.4}{5.7}$	120.0 120.0	$3.5 \\ 10.1$	120.0 120.0	6.5 120.8	77.0 120.0

QKBP-specific information	Value
Number of breakpoints	6
Running time in seconds for writing input file (t^{write})	0.0497
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0150
Running time in seconds for reading result file (t^{read})	0.0083

$File\ dispersion-qkp-ran_0300_100.txt$

Property of graph	Value
Nodes (n)	300
Density (Δ)	100.0 %
Edges (m)	44,850

	Deviation from best OFV (%)												Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly			
2.5	65,033.0	0.00	0.00	0.00		570.72	15,165.96	0.00	0.00	0.01	0.4	4.1	120.0	3.2	2.5	10.3	87.0			
5.0	124,204.0	0.85	0.58	0.00	_	484.76	518.36	0.14	0.00	0.00	0.5	5.4	120.0	4.6	4.1	121.2	120.0			
10.0	241,306.0	1.47	1.34	0.00	_	433.16	1,110.10	0.00	0.90	0.00	0.7	7.8	120.0	6.9	2.4	97.3	120.0			
25.0	597,277.0	0.04	0.00	0.00	_	222.71	_	0.00	2.03	0.00	1.2	9.4	120.0	10.2	120.0	28.9	120.0			
50.0	1,151,475.0	0.44	0.34	0.00	_	80.59	_	0.28	1.47	0.01	1.6	3.2	120.0	11.3	120.0	120.1	120.0			
75.0	1,706,068.0	0.11	0.04	0.00	_	28.04	_	0.02	1.76	0.00	1.9	2.4	120.0	10.6	120.0	120.1	120.0			
Avg		0.48	0.38	0.00	_	303.33	_	0.07	1.03	0.00	1.0	5.4	120.0	7.8	61.5	83.0	114.5			
Min		0.00	0.00	0.00	_	28.04	518.36	0.00	0.00	0.00	0.4	2.4	120.0	3.2	2.4	10.3	87.0			
Max		1.47	1.34	0.00	_	570.72	_	0.28	2.03	0.01	1.9	9.4	120.0	11.3	120.0	121.2	120.0			

QKBP-specific information	Value
Number of breakpoints	5
Running time in seconds for writing input file (t^{write})	0.0673
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0150
Running time in seconds for reading result file (t^{read})	0.0087

$File\ dispersion-qkp-ran_0500_005.txt$

$\begin{tabular}{ll} Property of graph & Value \\ \hline Nodes (n) & 500 \\ Density (\Delta) & 5.0 \% \\ Edges (m) & 6,096 \\ \hline \end{tabular}$

	Deviation from best OFV (%)											Running time (s)							
γ	Best OFV \mid	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly		
2.5	9,486.0	2.03	1.25	0.03	_	70.49	_	0.00	0.00	0.01	1.0	6.2	120.0	24.7	120.0	1.1	27.0		
$\frac{5.0}{10.0}$	17,823.0 34,386.0	$0.32 \\ 0.41$	0.34 0.00	$0.00 \\ 0.00$	_	64.31 94.02		$0.00 \\ 0.00$	$0.00 \\ 0.00$	$0.00 \\ 0.00$	$\frac{1.5}{2.2}$	$\frac{4.7}{9.3}$	120.0 120.0	51.3	120.0 120.0	$\frac{2.6}{4.6}$	$\frac{24.0}{52.0}$		
$25.0 \\ 50.0$	82,600.0 161.344.0	0.23 0.24	0.12 0.05	0.00	_	81.93 48.76	_	0.00	0.00 0.00	0.01 0.01	$\frac{3.7}{5.2}$	7.2 6.4	120.0 120.0	82.6		13.3 8.2	$120.0 \\ 74.0$		
75.0	239,021.0	0.03	0.04	0.00	_	19.84	_	0.00	0.00	0.01	6.3	4.4			120.0	0.7	20.0		
Avg Min Max		0.54 0.03 2.03	0.30 0.00 1.25	0.01 0.00 0.03	_	63.22 19.84 94.02	_	0.00 0.00 0.00	0.00 0.00 0.00	0.01 0.00 0.01	3.3 1.0 6.3	6.4 4.4 9.3	120.0 120.0 120.0	54.4 24.7 82.6	120.0 120.0 120.0	5.1 0.7 13.3	52.8 20.0 120.0		

QKBP-specific information	Value
Number of breakpoints	17
Running time in seconds for writing input file (t^{write})	0.0108
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0310
Running time in seconds for reading result file (t^{read})	0.0098

$File\ dispersion-qkp-ran_0500_010.txt$

Property of graph	Value
Nodes (n)	500
Density (Δ)	10.0 %
Edges (m)	12,209

	Deviation from best OFV (%)											Running time (s)							
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly		
2.5	16,261.0		0.48	0.00	_	97.27	_	0.00	0.00	0.01	1.1	2.0	120.0	23.2	120.0	2.2	54.0		
5.0 10.0	32,331.0 63,785.0	0.00 0.15	$0.20 \\ 0.02$	0.00 0.00		167.80 140.63	_	0.00	0.00 0.00	0.00 0.01	$\frac{1.6}{2.3}$	2.5 6.5	120.0 120.0	$\frac{29.8}{48.2}$	120.0 120.0	5.6 14.5	$120.0 \\ 120.0$		
25.0	158.584.0		0.02	0.00		113.46		0.00	0.04	0.01	3.7	10.0	120.0	74.4	120.0	19.9	120.0 120.0		
50.0	315,622.0	0.01	0.01	0.00		69.97	_	0.00	0.13	0.01	5.2	6.1	120.0	63.6	120.0	22.7	120.0		
75.0	472,153.0	0.17	0.08	0.00	_	23.59	_	0.00	0.01	0.01	6.2	3.6	120.0	65.6	120.0	6.3	120.0		
Avg		0.26	0.14	0.00	_	102.12	_	0.00	0.03	0.01	3.4	5.1	120.0	50.8	120.0	11.9	109.0		
Min			0.01	0.00	_	23.59	_	0.00	0.00	0.00	1.1	2.0	120.0	23.2	120.0	2.2	54.0		
Max		1.09	0.48	0.00	_	167.80	_	0.00	0.13	0.01	6.2	10.0	120.0	74.4	120.0	22.7	120.0		

QKBP-specific information	Value
Number of breakpoints	7
Running time in seconds for writing input file (t^{write})	0.0190
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0310
Running time in seconds for reading result file (t^{read})	0.0088

$File\ dispersion\mbox{-}qkp\mbox{-}ran\mbox{-}0500\mbox{-}025.txt$

Property of graph	Value
Nodes (n)	500
Density (Δ)	25.0 %
Edges (m)	31,106

		Running time (s)															
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
2.5	39,184.0	0.88	0.05	0.00	_	250.80	_	0.00	0.00	0.01	1.1	2.5	120.0	23.3	120.0	61.7	120.0
5.0	78,151.0	0.29	0.14	0.00	_	248.62	_	0.00	0.05	0.00	1.6	2.3	120.0	32.0	120.0	121.7	120.0
10.0	155,502.0	0.64	0.06	0.00	_	248.38	_	0.00	0.13	0.01	2.3	9.9	120.0	48.0	120.0	121.2	120.0
25.0	398,658.0	0.01	0.01	0.00	_	207.07	_	0.16	0.55	0.01	3.7	12.4	120.0	73.7	120.0	121.4	120.0
50.0	793,730.0	0.02	0.00	0.00	_	91.09	_	0.00	1.22	0.01	5.3	8.0	120.0	50.5	120.0	98.6	120.0
75.0	1,186,716.0	0.22	0.17	0.00	_	28.36	_	0.00	1.18	0.01	7.1	4.6	120.0	60.9	120.0	120.7	120.0
Avg		0.34	0.07	0.00	_	179.05	_	0.03	0.52	0.01	3.5	6.6	120.0	48.1	120.0	107.5	120.0
Min		0.01	0.00	0.00	_	28.36	_	0.00	0.00	0.00	1.1	2.3	120.0	23.3	120.0	61.7	120.0
$_{\text{Max}}$		0.88	0.17	0.00	_	250.80	_	0.16	1.22	0.01	7.1	12.4	120.0	73.7	120.0	121.7	120.0

QKBP-specific information	Value
Number of breakpoints	4
Running time in seconds for writing input file (t^{write})	0.0514
Running time in seconds for executing parametric cut procedure	(t^{cut}) 0.0310
Running time in seconds for reading result file (t^{read})	0.0088

$File\ dispersion-qkp-ran_0500_050.txt$

Property of graph	Value
Nodes (n)	500
Density (Δ)	50.0 %
Edges (m)	62,245

		Running time (s)															
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
2.5	77,779.0	0.23	0.11	0.00		509.74	_	0.00	0.72	0.01	1.2	2.0	120.0	20.2	120.0	120.1	120.0
5.0	156,534.0	0.47	0.21	0.00	_	487.52		0.00	1.08	0.00	1.6	3.0	120.0	30.5	120.0	120.1	120.0
10.0	311,998.0	0.55	0.30	0.00	_	385.77	_	0.00	2.07	0.01	$^{2.4}$	11.4	120.0	48.4	120.0	120.1	120.0
25.0	786,402.0	0.09	0.00	0.00	_	208.25	_	0.06	1.50	0.01	3.8	10.6	120.0	62.2	120.0	120.1	120.0
50.0	1,573,273.0	0.01	0.00	0.00	_	93.46		0.42	1.85	0.01	5.3	5.7	120.0	46.3	120.0	120.9	120.0
75.0	2,356,905.0	0.08	0.03	0.00	_	28.67	_	0.00	1.31	0.01	6.4	3.8	120.0	60.8	120.0	120.1	120.0
Avg		0.24	0.11	0.00	_	285.57	_	0.08	1.42	0.01	3.5	6.1	120.0	44.7	120.0	120.2	120.0
Min		0.01	0.00	0.00	_	28.67		0.00	0.72	0.00	1.2	2.0	120.0	20.2	120.0	120.1	120.0
Max		0.55	0.30	0.00	_	509.74	_	0.42	2.07	0.01	6.4	11.4	120.0	62.2	120.0	120.9	120.0

QKBP-specific information	Value
Number of breakpoints	2
Running time in seconds for writing input file (t^{write})	0.0956
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0320
Running time in seconds for reading result file (t^{read})	0.0096

$File\ dispersion-qkp-ran_0500_075.txt$

Property of graph	Value
Nodes (n)	500
Density (Δ)	75.0 %
Edges (m)	93,766

		on from	Running time (s)														
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
2.5	116,130.0	0.63	0.27	0.00	_	891.29	_	1,696.29	1.61	0.01	1.2	2.3	120.0	18.4	120.0	120.1	120.0
5.0	230,759.0	0.81	0.46	0.00	_	698.28	_	941.90	2.54	0.00	1.7	2.6	120.0	26.5	120.0	120.1	120.0
10.0	463,541.0	0.00	0.00	0.00	_	503.80	_	595.38	3.19	0.01	$^{2.4}$	11.5	120.0	43.9	120.0	120.1	120.0
25.0	1,176,546.0	0.28	0.16	0.00	_	236.56	_	297.49	2.22	0.01	3.9	9.9	120.0	57.8	120.0	120.1	120.0
50.0	2,362,127.0	0.07	0.03	0.00	_	92.14	_	96.56	1.86	0.01	5.3	6.0	120.0	47.5	120.0	120.0	120.0
75.0	3,550,258.0	0.18	0.16	0.00	_	28.19	_	32.09	2.02	0.01	6.7	3.9	120.0	61.3	120.0	120.1	120.0
Avg	I	0.33	0.18	0.00	_	408.38	_	609.95	2.24	0.01	3.5	6.0	120.0	42.6	120.0	120.1	120.0
Min		0.00	0.00	0.00	_	28.19	_	32.09	1.61	0.00	1.2	2.3	120.0	18.4	120.0	120.0	120.0
Max		0.81	0.46	0.00	_	891.29	_	1,696.29	3.19	0.01	6.7	11.5	120.0	61.3	120.0	120.1	120.0

QKBP-specific information	Value
Number of breakpoints	2
Running time in seconds for writing input file (t^{write})	0.1517
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0310
Running time in seconds for reading result file (t^{read})	0.0092

$File\ dispersion-qkp-ran_0500_100.txt$

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

				Deviati	ion fro		Running time (s)										
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
2.5	150,817.0	0.78	0.39	0.00		855.69		2,721.65	2.07	0.01	1.2	2.3	120.0	18.5	120.0	120.1	120.0
5.0	300,321.0	0.41	0.31	0.00	_	703.32	_	1,282.25	3.03	0.00	1.6	2.8	120.0	29.1	120.0	120.1	120.0
10.0	610,941.0	0.10	0.02	0.00	_	508.53	_	619.77	4.14	0.01	$^{2.4}$	11.8	120.0	42.6	120.0	120.1	120.0
25.0	1,554,549.0	0.24	0.17	0.00	_	238.09	_	264.18	4.08	0.01	3.8	9.5	120.0	65.0	120.0	120.1	120.0
50.0	3,126,790.0	0.14	0.09	0.00	_	91.11	_	98.41	3.35	0.01	5.4	6.1	120.0	48.0	120.0	120.1	120.0
75.0	4,711,040.0	0.12	0.10	0.00	_	27.74	_	27.96	2.87	0.01	7.2	4.0	120.0	60.3	120.0	120.1	120.0
Avg		0.30	0.18	0.00	_	404.08	_	835.70	3.26	0.01	3.6	6.1	120.0	43.9	120.0	120.1	120.0
Min		0.10	0.02	0.00	_	27.74	_	27.96	2.07	0.00	1.2	2.3	120.0	18.5	120.0	120.1	120.0
Max		0.78	0.39	0.00	_	855.69	_	2,721.65	4.14	0.01	7.2	11.8	120.0	65.0	120.0	120.1	120.0

QKBP-specific information	Value
Number of breakpoints	1
Running time in seconds for writing input file (t^{write})	0.1955
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0470
Running time in seconds for reading result file (t^{read})	0.0091

$File\ dispersion-qkp-ran_1000_005.txt$

Property of graph	Value
Nodes (n)	1,000
Density (Δ)	5.0 %
Edges (m)	25,021

	Deviation from best OFV (%)											Running time (s)						
γ	Best OFV \mid	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	
2.5	33,256.0	0.01	0.01	0.00	_	_	_	0.00	0.10	0.01	7.5	9.6	120.0	120.0	120.0	38.9	120.0	
5.0	65,442.0	0.27	0.18	0.03	_	_	_	0.00	0.08	0.01	11.0	7.7	120.0	120.0	120.0	43.0	120.0	
10.0	129,928.0	0.10	0.11	0.00	_	_	_	0.00	0.05	0.01	15.6	12.6	120.0	120.0	120.0	67.5	120.0	
25.0	325,211.0	0.07	0.02	0.00	_	_	_	0.00	0.12	0.02	25.0	22.4	120.0	120.0	120.0	52.4	120.0	
50.0	649,525.0	0.06	0.03	0.00		_	_	0.00	0.28	0.02	34.6	10.1	120.0	120.0	120.0	14.1	120.0	
75.0	965,530.0	0.10	0.01	0.00	_	_	_	0.00	0.25	0.02	41.0	9.1	120.0	120.0	120.0	8.4	120.0	
Avg	1	0.10	0.06	0.01	_	_	_	0.00	0.15	0.02	22.4	11.9	120.0	120.0	120.0	37.4	120.0	
Min		0.01	0.01	0.00	_	_	_	0.00	0.05	0.01	7.5	7.7	120.0	120.0	120.0	8.4	120.0	
Max		0.27	0.18	0.03	_	_	_	0.00	0.28	0.02	41.0	22.4	120.0	120.0	120.0	67.5	120.0	

QKBP-specific information	Value
Number of breakpoints	10
Running time in seconds for writing input file (t^{write})	0.0420
Running time in seconds for executing parametric cut procedure (t^{cut})	0.0790
Running time in seconds for reading result file (t^{read})	0.0107

$File\ dispersion-qkp-ran_1000_010.txt$

Property of graph	Value
Nodes (n)	1,000
Density (Δ)	10.0 %
Edges (m)	50,076

	Deviation from best OFV (%)											Running time (s)						
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	
2.5 5.0 10.0 25.0 50.0 75.0	63,961.0 129,640.0 260,427.0 646,371.0 1,283,391.0 1,916,564.0	0.10 0.15 0.05 0.04 0.02 0.07	0.03 0.05 0.10 0.01 0.00 0.03	0.03 0.00 0.00 0.00 0.00 0.00				0.00 0.00 0.00 0.00 0.00 0.00	0.07 0.17 0.35 0.52 1.03 0.78	0.02 0.01 0.01 0.02 0.02 0.02	7.8 11.4 16.4 26.4 37.5 40.7	6.4 10.8 18.0 21.0 10.8 9.4	120.0 120.0 120.0 120.0 120.0 120.0	120.0 120.0 120.0 120.0 120.0 120.0	120.0 120.0 120.0 120.0 120.0 120.0	120.5 75.9 63.1 97.6 66.6 83.6	120.0 120.0 120.0 120.0 120.0 120.0 120.0	
Avg Min Max		0.07 0.02 0.15	0.04 0.00 0.10	0.01 0.00 0.03	_	=	=	0.00 0.00 0.00	0.49 0.07 1.03	$0.02 \\ 0.01 \\ 0.02$	23.4 7.8 40.7	12.7 6.4 21.0	120.0 120.0 120.0	120.0 120.0 120.0	120.0 120.0 120.0	84.5 63.1 120.5	120.0 120.0 120.0	

QKBP-specific information	Value
Number of breakpoints	5
Running time in seconds for writing input file (t^{write})	0.0821
Running time in seconds for executing parametric cut procedure (t^{cut}	0.0780
Running time in seconds for reading result file (t^{read})	0.0106

$File\ dispersion-qkp-ran_1000_025.txt$

Property of graph	Value
Nodes (n)	1,000
Density (Δ)	25.0 %
Edges (m)	124,511

		Running time (s)															
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
2.5 5.0	150,301.0 306,205.0	0.18 0.00	$0.17 \\ 0.02$	0.00	_	_	_	3,028.66 1,708.55	0.45 0.88	0.02 0.01	7.9 11.6	10.9 8.8	120.0 120.0	120.0 120.0	$120.0 \\ 120.0$	120.1 120.1	120.0 120.0
$10.0 \\ 25.0$	620,198.0 1,563,255.0	0.18	0.02 0.00	0.00	_	_	_	867.20 282.97	1.23 1.45	$0.01 \\ 0.02$	16.2 25.2	24.5 23.2	120.0 120.0	120.0 120.0	120.0 120.0	120.1 120.1	120.0 120.0
50.0	3,125,929.0	0.01	0.01 0.00	0.00	_	_	_	99.86 31.59	1.74 1.46	0.02	34.5	10.2	120.0 120.0	120.0 120.0	120.0 120.0	120.1 120.1	120.0 120.0
Avg Min Max		0.10 0.00 0.18	0.04 0.00 0.17	0.00 0.00 0.00	_	_	_	1,003.14 31.59 3,028.66	1.20 0.45 1.74	$0.02 \\ 0.01 \\ 0.02$	22.7 7.9 40.9	14.5 8.8 24.5	120.0 120.0 120.0	120.0 120.0 120.0	120.0 120.0 120.0	120.1 120.1 120.1	120.0 120.0 120.0

QKBP-specific information	Value
Number of breakpoints	3
Running time in seconds for writing input file (t^{write})	0.2049
Running time in seconds for executing parametric cut procedure (t^{cut}	0.0780
Running time in seconds for reading result file (t^{read})	0.0106

$File\ dispersion-qkp-ran_1000_050.txt$

Property of graph	Value
Nodes (n)	1,000
Density (Δ)	50.0 %
Edges (m)	249,725

		Running time (s)															
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
2.5	297,648.0	0.20	0.05	0.00	_	_	_	1,625.60	2.64	0.03	8.1	11.7	120.0	120.0	120.0	120.3	120.0
5.0 10.0	604,276.0 1,226,691.0	$0.50 \\ 0.21$	$0.37 \\ 0.11$	0.00 0.00	_	_		1,061.78 630.36	$2.14 \\ 2.83$		11.8 16.8	$\frac{12.1}{23.1}$	120.0 120.0	120.0 120.0	120.0 120.0	120.5 120.3	120.0 120.0
25.0	3,124,211.0		0.00	0.00	_	_	_	256.24	2.73	0.02		27.9	120.0	120.0	120.0	120.3	120.0
	6,260,333.0			0.00	_	_	_	84.98	2.87	0.02		10.6	120.0	120.0	120.0	120.3	120.0
75.0	9,404,648.0	0.00	0.00	0.00	_	_	_	29.26	2.20	0.02	42.9	9.4	120.0	120.0	120.0	120.3	120.0
Avg		0.22	0.09	0.00	_	_	_	614.70	2.57	0.02	23.7	15.8	120.0	120.0	120.0	120.3	120.0
Min		0.00	0.00	0.00	_	_	_	29.26	2.14	0.01	8.1	9.4	120.0	120.0	120.0	120.3	120.0
Max		0.50	0.37	0.00	_	_	_	1,625.60	2.87	0.03	42.9	27.9	120.0	120.0	120.0	120.5	120.0

QKBP-specific information	Value
Number of breakpoints	2
Running time in seconds for writing input file (t^{write})	0.4041
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1100
Running time in seconds for reading result file (t^{read})	0.0110

$File\ dispersion-qkp-ran_1000_075.txt$

Property of graph	Value
Nodes (n)	1,000
Density (Δ)	75.0 %
Edges (m)	374,743

		Running time (s)															
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
2.5	441,500.0 902.627.0	0.87 0.63	0.57 0.04	0.00	_		_	2,350.46 1,420.55	3.76 2.17	0.02	8.1 11.6	7.8 7.7	120.0 120.0	120.0 120.0	120.0 120.0	120.4 120.4	120.0 120.0
$10.0 \\ 25.0$	1,848,201.0 4,709,920.0	0.55 0.04	0.00 0.02	0.00	_	_	_	726.49 288.73	4.16 3.72			33.4 24.3	120.0 120.0	120.0 120.0	120.0 120.0	120.5 120.4	120.0 120.0
50.0 75.0	9,403,076.0	0.09	0.02 0.07 0.00	0.00	_	_	_	113.98 40.58	3.44 3.07	0.02	35.5	11.4 9.4	120.0 120.0 120.0	120.0 120.0 120.0	120.0 120.0 120.0	120.4 120.4 120.4	120.0 120.0 120.0
Avg	14,141,901.0	0.02	0.12	0.00				823.46	3.39	0.02	23.3	15.7	120.0	120.0	120.0	120.4	120.0
Min Max		0.02 0.87	0.00 0.57	0.00	_	_	_	40.58 2,350.46	2.17 4.16	0.01 0.02	8.1 42.2	7.7 33.4	120.0 120.0	120.0 120.0	120.0 120.0	120.4 120.5	120.0 120.0

QKBP-specific information	Value
Number of breakpoints	2
Running time in seconds for writing input file (t^{write})	0.6039
Running time in seconds for executing parametric cut procedure (t^{c}	^{ut}) 0.1400
Running time in seconds for reading result file (t^{read})	0.0107

$File\ dispersion-qkp-ran_1000_100.txt$

Property of graph	Value
Nodes (n)	1,000
Density (Δ)	100.0 %
Edges (m)	499,500

		Running time (s)															
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
2.5	594,758.0	0.00	0.00	0.00	_		_	1,997.47	4.25	0.02	8.0	12.5	120.0	120.0	120.0	120.5	120.0
5.0	1,202,265.0	0.16	0.08	0.00	_	_	_	1,339.87	4.64	0.01	11.7	10.5	120.0	120.0	120.0	120.9	121.0
10.0	2,448,419.0	0.06	0.04	0.00	_	_	_	843.59	4.34	0.01	16.5	24.3	120.0	120.0	120.0	120.9	120.0
25.0	6,267,974.0	0.08	0.05	0.00	_	_	_	297.49	4.76	0.02	26.1	24.7	120.0	120.0	120.0	122.7	120.0
50.0	12,513,115.0	0.10	0.09	0.00	_	_	_	99.38	4.77	0.02	36.0	14.3	120.0	120.0	120.0	123.0	120.0
75.0	18,829,315.0	0.05	0.04	0.00	_	_	_	35.93	3.20	0.02	42.2	10.3	120.0	120.0	120.0	124.0	121.0
Avg		0.07	0.05	0.00	_	_	_	768.96	4.33	0.02	23.4	16.1	120.0	120.0	120.0	122.0	120.3
Min		0.00	0.00	0.00	_	_	_	35.93	3.20	0.01	8.0	10.3	120.0	120.0	120.0	120.5	120.0
Max		0.16	0.09	0.00	_	_	_	1,997.47	4.77	0.02	42.2	24.7	120.0	120.0	120.0	124.0	121.0

QKBP-specific information	Value
Number of breakpoints	2
Running time in seconds for writing input file (t^{write})	0.8067
Running time in seconds for executing parametric cut procedure (t^{c}	^{ut}) 0.1410
Running time in seconds for reading result file (t^{read})	0.0109

$File\ dispersion-qkp-ran_2000_005.txt$

Property of graph	Value
Nodes (n)	2,000
Density (Δ)	5.0 %
Edges (m)	99,945

	Deviation from best OFV (%)											Running time (s)						
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	
2.5	128,068.0	0.15	0.15	0.00		_		2,258.09	0.63	0.05	53.2	34.9	120.0	120.0	120.0	120.1	120.0	
5.0	256,310.0	0.09	0.03	0.00	_	_	_	0.04	0.35	0.03	76.9	36.8	120.0	120.0	120.0	120.1	120.0	
10.0	514,479.0	0.03	0.01	0.00	_	_	_	45.26	0.42	0.05	113.4	33.9	120.0	120.0	120.0	120.1	120.0	
25.0	1,271,703.0	0.04	0.01	0.00	_	_	_	1.91	0.32	0.09	120.0	66.0	120.0	120.0	120.0	120.1	120.0	
50.0	2,542,191.0	0.00	0.01	0.00	_	_	_	14.59	0.67	0.10	120.0	37.2	120.0	120.0	120.0	120.1	120.0	
75.0	3,799,896.0	0.00	0.00	0.00	_	_	_	0.71	0.81	0.09	120.1	35.4	120.0	120.0	120.0	120.1	120.0	
Avg Min		0.05 0.00	0.04 0.00	0.00	_	_	_	386.77 0.04	$0.53 \\ 0.32$	$0.07 \\ 0.03$	100.6 53.2	$40.7 \\ 33.9$	$120.0 \\ 120.0$	$120.0 \\ 120.0$	$120.0 \\ 120.0$	120.1 120.1	120.0 120.0	
Max		0.15	0.15	0.00	_	_	_	2,258.09	0.81	0.10	120.1	66.0	120.0	120.0	120.0	120.1	120.0	

QKBP-specific information	Value
Number of breakpoints	7
Running time in seconds for writing input file (t^{write})	0.1679
Running time in seconds for executing parametric cut procedure (t^{cut})	0.1870
Running time in seconds for reading result file (t^{read})	0.0133

$File\ dispersion\mbox{-}qkp\mbox{-}ran\mbox{-}2000\mbox{-}010.txt$

Property of graph	Value
Nodes (n)	2,000
Density (Δ)	10.0 %
Edges (m)	199,950

		best	Running time (s)														
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
2.5	252,271.0	0.08	0.00	0.00		_		2.27	0.46	0.12	52.6	35.1	120.0	120.0	120.0	120.2	120.0
5.0	505,979.0	0.17	0.01	0.00	_	_	_	1.96	0.97	0.03	77.6	31.9	120.0	120.0	120.0	120.3	120.0
10.0	1,013,767.0	0.04	0.00	0.00	_	_	_	44.86	0.95	0.05	114.2	63.6	120.0	120.0	120.0	120.4	120.0
25.0	2,525,326.0	0.05	0.01	0.00	_	_	_	69.24	1.23	0.09	120.1	59.7	120.0	120.0	120.0	120.5	120.0
50.0	5,054,155.0	0.09	0.00	0.00	_	_	_	43.14	1.70	0.10	120.0	40.1	120.0	120.0	120.0	120.5	120.0
75.0	7,584,175.0	0.06	0.00	0.00	_	_	_	0.01	1.20	0.10	120.1	35.9	120.0	120.0	120.0	107.8	120.0
Avg		0.08	0.00	0.00	_	_	_	26.91	1.08	0.08	100.8	44.4	120.0	120.0	120.0	118.3	120.0
Min		0.04	0.00	0.00	_	_	_	0.01	0.46	0.03	52.6	31.9	120.0	120.0	120.0	107.8	120.0
Max		0.17	0.01	0.00	_	_	_	69.24	1.70	0.12	120.1	63.6	120.0	120.0	120.0	120.5	120.0

QKBP-specific information	Value
Number of breakpoints	3
Running time in seconds for writing input file (t^{write})	0.3258
Running time in seconds for executing parametric cut procedure (t^{cut})	0.2030
Running time in seconds for reading result file (t^{read})	0.0128

$File\ dispersion-qkp-ran_2000_025.txt$

Property of graph	Value
Nodes (n)	2,000
Density (Δ)	25.0 %
Edges (m)	499,746

		Running time (s)															
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
2.5	614,086.0	0.33	0.05	0.00	_		_	3,418.11	2.48	0.12	54.5	35.9	120.0	120.0	120.0	125.3	120.0
5.0	1,230,942.0	0.23	0.11	0.00	_	_	_	1,754.44	2.74	0.03	79.4	30.4	120.0	120.0	120.0	121.1	121.0
10.0	2,489,364.0	0.00	0.00	0.00	_	_	_	920.82	2.98	0.05	116.6	72.7	120.0	120.0	120.0	120.4	121.0
25.0	6,242,222.0	0.01	0.00	0.00	_	_	_	296.34	3.90	0.09	120.1	75.6	120.0	120.0	120.0	120.5	120.0
50.0	12,531,065.0	0.12	0.00	0.00	_	_	_	95.74	3.52	0.10	120.0	42.0	120.0	120.0	120.0	121.3	120.0
75.0	18,862,349.0	0.02	0.01	0.00	_	_	_	36.14	2.26	0.11	120.1	38.1	120.0	120.0	120.0	120.5	121.0
Avg		0.12	0.03	0.00	_	_	_	1,086.93	2.98	0.08	101.8	49.1	120.0	120.0	120.0	121.5	120.5
Min		0.00	0.00	0.00	_	_	_	36.14	2.26	0.03	54.5	30.4	120.0	120.0	120.0	120.4	120.0
$_{\text{Max}}$		0.33	0.11	0.00	_	_	_	$3,\!418.11$	3.90	0.12	120.1	75.6	120.0	120.0	120.0	125.3	121.0

QKBP-specific information	Value
Number of breakpoints	3
Running time in seconds for writing input file (t^{write})	0.8244
Running time in seconds for executing parametric cut procedure (t^{cut})	0.2650
Running time in seconds for reading result file (t^{read})	0.0122

$File\ dispersion\mbox{-}qkp\mbox{-}ran\mbox{-}2000\mbox{-}050.txt$

Property of graph	Value
Nodes (n)	2,000
Density (Δ)	50.0 %
Edges (m)	999,153

		Running time (s)															
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
2.5	1,209,791.0	0.30	0.12	0.00		_	_	3,464.92	4.20	0.12	55.6	35.9	120.0	120.0	120.0	120.6	122.0
5.0	2,453,162.0	0.00	0.00	0.01	_	_	_	1,734.03	4.21	0.03	80.2	32.1	120.0	120.0	120.0	121.5	122.0
10.0	4,968,199.0	0.07	0.03	0.00	_	_	_	808.27	5.14	0.05	115.8	65.9	120.0	120.0	120.0	120.7	122.0
25.0	12,457,575.0	0.07	0.05	0.00	_	_	_	288.37	6.37	0.09	120.1	76.0	120.0	120.0	120.0	121.7	122.0
50.0	25,021,352.0	0.00	0.00	0.00	_	_	_	98.72	6.21	0.10	120.1	49.8	120.0	120.0	120.0	121.0	122.0
75.0	37,655,302.0	0.04	0.03	0.00	_	_	_	33.40	2.98	0.11	120.0	35.5	120.0	120.0	120.0	121.1	122.0
Avg		0.08	0.04	0.00	_	_	_	1,071.28	4.85	0.08	102.0	49.2	120.0	120.0	120.0	121.1	122.0
Min		0.00	0.00	0.00	_	_	_	33.40	2.98	0.03	55.6	32.1	120.0	120.0	120.0	120.6	122.0
$_{\text{Max}}$		0.30	0.12	0.01	_	_	_	$3,\!464.92$	6.37	0.12	120.1	76.0	120.0	120.0	120.0	121.7	122.0

QKBP-specific information	Value
Number of breakpoints	2
Running time in seconds for writing input file (t^{write})	1.6280
8	0.3590
Running time in seconds for reading result file (t^{read})	0.0130

$File\ dispersion-qkp-ran_2000_075.txt$

Property of graph	Value
Nodes (n)	2,000
Density (Δ)	75.0 %
Edges (m)	1,498,911

		Running time (s)															
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
2.5	1,803,144.0		0.00	0.00		_	_	2,996.11	7.52	0.12	54.4	40.9	120.0	120.0	120.0	121.4	120.0
5.0	3,668,519.0	0.21	0.14	0.00	_	_	_	1,562.15	5.42	0.03	79.1	42.0	120.0	120.0	120.0	121.5	120.0
10.0	7,440,967.0	0.12	0.10	0.00	_	_	_	859.15	6.87	0.05	117.8	71.1	120.0	120.0	120.0	122.2	120.0
25.0	18,680,254.0	0.17	0.16	0.00	_	_	_	290.36	7.78	0.09	120.1	53.3	120.0	120.0	120.0	121.2	120.0
50.0	37,536,130.0	0.04	0.03	0.00	_	_	_	97.04	7.36	0.10	120.1	45.5	120.0	120.0	120.0	121.5	120.0
75.0	56,431,631.0	0.00	0.00	0.00	_	_	_	32.49	3.73	0.11	120.0	40.7	120.0	120.0	120.0	121.2	120.0
Avg Min		0.10 0.00	0.07 0.00	0.00	_	_	_	972.88 32.49	6.45	$0.08 \\ 0.03$	101.9 54.4	48.9 40.7	120.0 120.0	$120.0 \\ 120.0$	120.0 120.0	121.5 121.2	120.0 120.0
Max		0.00	0.16	0.00		_	_	2,996.11	7.78	0.03	120.1	71.1	120.0 120.0	120.0 120.0	120.0 120.0	121.2 122.2	120.0 120.0

QKBP-specific information	Value
Number of breakpoints	2
Running time in seconds for writing input file (t^{write})	2.4491
Running time in seconds for executing parametric cut procedure (t^{cut})	0.4680
Running time in seconds for reading result file (t^{read})	0.0129

$File\ dispersion-qkp-ran_2000_100.txt$

Property of graph	Value
Nodes (n)	2,000
Density (Δ)	100.0 %
Edges (m)	1,999,000

		Running time (s)															
γ	Best OFV	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly	QKBP	RG	IHEA	LDP	DP	QK	Gurobi	Hexaly
2.5	2,408,954.0	0.15	0.10	0.00	_	_	_	2,903.46	8.58	0.12	56.0	38.7	120.0	120.0	120.0	121.6	120.0
5.0	4,877,288.0	0.16	0.13	0.00	_	_	_	1,850.02	11.21	0.03	81.6	68.0	120.0	120.0	120.0	122.3	120.0
10.0	9,893,808.0	0.12	0.11	0.00	_	_	_	860.83	9.06	0.05	118.0	63.9	120.0	120.0	120.0	122.3	120.0
25.0	24,896,630.0	0.02	0.01	0.00	_	_	_	295.91	9.65	0.09	120.0	70.4	120.0	120.0	120.0	121.0	120.0
50.0	50,005,296.0	0.05	0.04	0.00	_	_	_	95.75	7.94	0.10	120.0	52.8	120.0	120.0	120.0	121.6	120.0
75.0	$75,\!261,\!939.0$	0.01	0.00	0.00	_	_	_	31.63	4.32	0.11	120.1	38.6	120.0	120.0	120.0	121.8	120.0
Avg		0.09	0.07	0.00	_	_	_	1,006.27	8.46	0.08	102.6	55.4	120.0	120.0	120.0	121.8	120.0
Min		0.01	0.00	0.00	_	_	_	31.63	4.32	0.03	56.0	38.6	120.0	120.0	120.0	121.0	120.0
Max		0.16	0.13	0.00	_	_	_	2,903.46	11.21	0.12	120.1	70.4	120.0	120.0	120.0	122.3	120.0

QKBP-specific information	Value
Number of breakpoints	1
Running time in seconds for writing input file (t^{write})	3.3078
Running time in seconds for executing parametric cut procedure (t^{cut})	0.5470
Running time in seconds for reading result file (t^{read})	0.0121