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Raw Data for manuscript: Globally solving Non-Convex Quadratic Programs via Linear Integer Programming techniques

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1. Raw Data for Figure 1: SQP instances

	Solution Time (s)			
SQP instance	`quadprogIP`	`quadprogBB`	`CPLEX`	`BARON`
spar020-100-1.mat:	0.35	3.74	0.21	3.21
spar020-100-2.mat:	0.30	1.67	0.45	1.58
spar020-100-3.mat:	0.29	1.83	0.32	1.62
spar030-060-1.mat:	0.33	2.52	1.39	96.71
spar030-060-2.mat:	0.40	2.67	0.74	78.08
spar030-060-3.mat:	0.30	2.38	4.34	817.65
spar030-070-1.mat:	0.27	2.65	1.08	105.43
spar030-070-2.mat:	0.34	2.75	4.05	514.11
spar030-070-3.mat:	0.48	2.80	7.33	826.13
spar030-080-1.mat:	0.28	2.87	1.86	562.91
spar030-080-2.mat:	0.44	3.00	5.29	467.36
spar030-080-3.mat:	0.27	2.99	3.04	2199.81
spar030-090-1.mat:	0.28	3.08	1.12	4102.65
spar030-090-2.mat:	0.37	2.82	1.73	1501.69
spar030-090-3.mat:	0.51	2.77	1.54	1419.12
spar030-100-1.mat:	0.36	2.92	0.45	57.64
spar030-100-2.mat:	0.50	6.86	0.16	15.87
spar030-100-3.mat:	0.57	2.86	0.73	20.12
spar040-030-1.mat:	0.27	8.49	0.70	11.38
spar040-030-2.mat:	0.42	10.93	1.00	103.73
spar040-030-3.mat:	0.38	3.94	1.47	130.44

... continued.

	Solution Time (s)			
SQP instance	`quadprogIP`	`quadprogBB`	`CPLEX`	`BARON`
spar040-040-1.mat:	0.42	3.87	1.16	49.93
spar040-040-2.mat:	0.55	4.00	1.41	191.37
spar040-040-3.mat:	0.45	4.02	1.83	178.60
spar040-050-1.mat:	0.47	4.19	2.19	299.80
spar040-050-2.mat:	0.29	4.19	4.31	932.07
spar040-050-3.mat:	0.29	6.59	4.68	1003.62
spar040-060-1.mat:	0.32	4.46	15.54	2359.39
spar040-060-2.mat:	0.32	6.80	13.99	3372.87
spar040-060-3.mat:	0.42	4.66	66.62	-
spar040-070-1.mat:	0.43	4.30	23.74	3615.45
spar040-070-2.mat:	0.42	4.85	41.50	9762.20
spar040-070-3.mat:	0.35	4.75	108.69	-
spar040-080-1.mat:	0.54	4.68	110.39	-
spar040-080-2.mat:	0.34	4.54	91.22	-
spar040-080-3.mat:	0.44	5.12	193.68	-
spar040-090-1.mat:	0.38	5.51	6.68	-
spar040-090-2.mat:	0.33	5.38	3.80	-
spar040-090-3.mat:	0.77	5.39	3.52	-
spar040-100-1.mat:	0.70	8.80	3.13	-
spar040-100-2.mat:	0.40	6.11	1.24	-
spar040-100-3.mat:	0.49	5.95	1.74	-
spar050-030-1.mat:	0.49	6.05	1.47	104.77
spar050-030-2.mat:	0.53	6.85	3.40	384.22
spar050-030-3.mat:	0.80	6.02	2.75	309.83
spar050-040-1.mat:	0.63	7.30	3.23	402.60
spar050-040-2.mat:	0.58	7.58	19.23	-
spar050-040-3.mat:	0.53	6.63	17.08	2448.08
spar050-050-1.mat:	0.79	7.40	30.75	1796.12
spar050-050-2.mat:	0.51	7.82	28.55	-
spar050-050-3.mat:	0.54	8.20	50.01	-
spar060-020-1.mat:	0.69	9.67	1.80	52.54
spar060-020-2.mat:	0.51	10.13	2.33	161.26
spar060-020-3.mat:	0.35	22.48	1.42	67.21
spar070-025-1.mat:	0.59	28.75	14.08	2177.72
spar070-025-2.mat:	0.47	29.18	7.38	8256.45
spar070-025-3.mat:	0.50	16.85	22.14	2313.28
spar070-050-1.mat:	0.58	29.47	2399.70	-
spar070-050-2.mat:	0.93	25.17	1531.79	-
spar070-050-3.mat:	0.57	33.46	6975.80	-
spar070-075-1.mat:	1.26	47.45	-	-
spar070-075-2.mat:	0.84	52.01	-	-
spar070-075-3.mat	1.15	38.10	-	-
spar080-025-1.mat:	0.79	29.71	177.18	-
spar080-025-2.mat:	0.66	43.03	30.27	2620.38
spar080-025-3.mat:	0.73	27.81	40.08	5193.83
spar080-050-1.mat:	0.97	40.11	-	-
spar080-050-2.mat:	1.28	45.31	-	-
spar080-050-3.mat:	1.01	52.50	-	-
spar080-075-1.mat:	1.35	87.90	-	-
spar080-075-2.mat:	1.41	77.95	-	-
spar080-075-3.mat:	1.82	76.96	-	-
spar090-025-1.mat:	1.12	51.04	276.75	-
spar090-025-2.mat:	1.32	47.05	633.59	-
spar090-025-3.mat:	1.21	85.45	309.18	-
spar090-050-1.mat:	0.71	82.55	-	-

... continued.

	Solution Time (s)			
SQP instance	quadprogIP	quadprogBB	CPLEX	BARON
spar090-050-2.mat:	1.25	74.12	-	-
spar090-050-3.mat:	0.99	82.43	-	-
spar090-075-1.mat:	1.56	164.02	-	-
spar090-075-2.mat:	0.89	147.09	-	-
spar090-075-3.mat:	1.59	162.81	-	-
spar100-025-1.mat:	1.46	87.64	1197.12	-
spar100-025-2.mat:	1.45	91.12	3676.38	-
spar100-025-3.mat:	1.03	74.53	2522.39	-
spar100-050-1.mat:	1.37	135.48	-	-
spar100-050-2.mat:	1.41	158.00	-	-
spar100-050-3.mat:	1.15	149.19	-	-
spar100-075-1.mat:	1.61	207.61	-	-
spar100-075-2.mat:	1.45	191.12	-	-
spar100-075-3.mat:	2.10	204.97	-	-

Table 1: Solution time in seconds for SQP instances. Dash "-" indicates that solver was unable to solve the instance within the maximum allowed time of 10^4s.

2. Raw Data for Figure 2: SQP30 and SQP50 instances

	Solution Time (s)			
SQP instance	quadprogIP	quadprogBB	CPLEX	BARON
triangular_30_-10_0_-5__01_mixDiag.mps.mat:	0.50	6.95	46.41	153.26
triangular_30_-10_0_-5__01_negDiag.mps.mat:	0.38	4.80	46.27	153.32
triangular_30_-10_0_-5__01_posDiag.mps.mat:	0.44	4.20	-	6108.41
triangular_30_-10_0_-5__02_mixDiag.mps.mat:	0.44	4.59	102.76	213.93
triangular_30_-10_0_-5__02_negDiag.mps.mat:	0.48	4.55	102.07	213.74
triangular_30_-10_0_-5__02_posDiag.mps.mat:	0.67	2.87	-	-
triangular_30_-10_0_-5__03_mixDiag.mps.mat:	0.69	8.79	38.43	134.79
triangular_30_-10_0_-5__03_negDiag.mps.mat:	0.49	5.47	39.39	134.90
triangular_30_-10_0_-5__03_posDiag.mps.mat:	0.61	4.60	-	4669.28
triangular_30_-10_0_-5__04_mixDiag.mps.mat:	0.43	3.26	31.82	162.39
triangular_30_-10_0_-5__04_negDiag.mps.mat:	0.41	5.37	32.23	162.36
triangular_30_-10_0_-5__04_posDiag.mps.mat:	0.60	3.32	-	-
triangular_30_-10_0_-5__05_mixDiag.mps.mat:	0.64	3.31	16.13	39.37
triangular_30_-10_0_-5__05_negDiag.mps.mat:	0.61	3.18	15.65	39.35
triangular_30_-10_0_-5__05_posDiag.mps.mat:	0.61	4.89	-	-
triangular_30_-10_0_-5__06_mixDiag.mps.mat:	0.69	3.83	136.16	519.53
triangular_30_-10_0_-5__06_negDiag.mps.mat:	0.72	3.31	134.87	519.48
triangular_30_-10_0_-5__06_posDiag.mps.mat:	0.70	4.85	6367.29	8103.27
triangular_30_-10_0_-5__07_mixDiag.mps.mat:	0.49	4.29	39.55	95.96
triangular_30_-10_0_-5__07_negDiag.mps.mat:	0.50	4.14	39.65	95.94
triangular_30_-10_0_-5__07_posDiag.mps.mat:	0.69	7.36	-	-
triangular_30_-10_0_-5__08_mixDiag.mps.mat:	0.53	8.30	20.51	75.06
triangular_30_-10_0_-5__08_negDiag.mps.mat:	0.45	4.94	19.14	75.11
triangular_30_-10_0_-5__08_posDiag.mps.mat:	0.45	2.94	-	-
triangular_30_-10_0_-5__09_mixDiag.mps.mat:	0.44	5.11	46.91	204.83
triangular_30_-10_0_-5__09_negDiag.mps.mat:	0.42	4.91	46.67	204.91
triangular_30_-10_0_-5__09_posDiag.mps.mat:	0.95	4.67	-	-
triangular_30_-10_0_-5__10_mixDiag.mps.mat:	0.48	3.28	58.72	113.36
triangular_30_-10_0_-5__10_negDiag.mps.mat:	0.44	2.90	58.89	113.39

... continued.

	Solution Time (s)			
SQP instance	quadprogIP	quadprogBB	CPLEX	BARON
triangular_30_-10_0_-5__10_posDiag.mps.mat:	0.64	4.82	-	-
triangular_30_-10_10_-3__01_mixDiag.mps.mat:	0.41	7.54	4.60	58.52
triangular_30_-10_10_-3__01_negDiag.mps.mat:	0.52	3.07	1.47	13.57
triangular_30_-10_10_-3__01_posDiag.mps.mat:	0.47	2.78	8.67	142.28
triangular_30_-10_10_-3__02_mixDiag.mps.mat:	0.40	2.91	1.91	12.46
triangular_30_-10_10_-3__02_negDiag.mps.mat:	0.44	3.01	2.21	7.90
triangular_30_-10_10_-3__02_posDiag.mps.mat:	0.53	2.73	3.31	48.02
triangular_30_-10_10_-3__03_mixDiag.mps.mat:	0.34	4.98	4.24	48.93
triangular_30_-10_10_-3__03_negDiag.mps.mat:	0.43	2.91	1.41	9.00
triangular_30_-10_10_-3__03_posDiag.mps.mat:	0.38	3.11	5.92	83.42
triangular_30_-10_10_-3__04_mixDiag.mps.mat:	0.53	2.89	1.42	13.03
triangular_30_-10_10_-3__04_negDiag.mps.mat:	0.49	5.08	1.32	8.97
triangular_30_-10_10_-3__04_posDiag.mps.mat:	0.44	2.69	1.75	13.82
triangular_30_-10_10_-3__05_mixDiag.mps.mat:	0.45	3.09	4.13	24.42
triangular_30_-10_10_-3__05_negDiag.mps.mat:	0.41	3.12	2.12	13.96
triangular_30_-10_10_-3__05_posDiag.mps.mat:	0.47	2.79	8.79	123.63
triangular_30_-10_10_-3__06_mixDiag.mps.mat:	0.43	2.86	2.96	36.40
triangular_30_-10_10_-3__06_negDiag.mps.mat:	0.32	3.01	3.54	52.05
triangular_30_-10_10_-3__06_posDiag.mps.mat:	0.35	2.92	9.49	207.61
triangular_30_-10_10_-3__07_mixDiag.mps.mat:	0.28	4.63	2.28	18.88
triangular_30_-10_10_-3__07_negDiag.mps.mat:	0.38	2.90	1.83	18.40
triangular_3_0_-10_10_-3__07_posDiag.mps.mat:	0.60	5.13	4.32	33.48
triangular_30_-10_10_-3__08_mixDiag.mps.mat:	0.50	3.20	2.14	14.03
triangular_30_-10_10_-3__08_negDiag.mps.mat:	0.41	5.44	1.92	28.06
triangular_30_-10_10_-3__08_posDiag.mps.mat:	0.51	5.13	40.67	334.49
triangular_30_-10_10_-3__09_mixDiag.mps.mat:	0.33	3.16	1.77	16.17
triangular_30_-10_10_-3__09_negDiag.mps.mat:	0.30	3.13	1.06	17.00
triangular_30_-10_10_-3__09_posDiag.mps.mat:	0.39	2.90	11.69	298.00
triangular_30_-10_10_-3__10_mixDiag.mps.mat:	0.44	2.83	1.36	12.18
triangular_30_-10__10_-3__10_negDiag.mps.mat:	0.42	2.79	1.19	14.81
triangular_30_-10_10_-3__10_posDiag.mps.mat:	0.30	2.45	3.78	59.34
triangular_30_-10_10_0__01_mixDiag.mps.mat:	0.49	5.01	1.67	8.08
triangular_30_-10_10_0__01_negDiag.mps.mat:	0.34	3.16	1.52	11.40
triangular_30_-10_10_0__01_posDiag.mps.mat:	0.52	2.92	6.05	35.13
triangular_30_-10_10_0__02_mixDiag.mps.mat:	0.38	2.94	3.59	34.79
triangular_30_-10_10_0__02_negDiag.mps.mat:	0.30	6.57	2.08	6.47
triangular_30_-10_10_0__02_posDiag.mps.mat:	0.60	5.11	5.00	73.89
triangular_30_-10_10_0__03_mixDiag.mps.mat:	0.36	2.89	1.43	85.06
triangular_30_-10_10_0__03_negDiag.mps.mat:	0.45	2.90	1.27	6.46
triangular_30_-10_10_0__03_posDiag.mps.mat:	0.46	2.83	2.63	61.74
triangular_30_-10_10_0__04_mixDiag.mps.mat:	0.45	2.85	1.70	23.77
triangular_30_-10_10_0__04_negDiag.mps.mat:	0.57	5.09	2.22	29.53
triangular_30_-10_10_0__04_posDiag.mps.mat:	0.64	4.53	6.23	204.78
triangular_30_-10_10_0__05_mixDiag.mps.mat:	0.37	2.98	1.03	8.76
triangular_30_-10_10_0__05_negDiag.mps.mat:	0.33	3.04	0.73	6.96
triangular_30_-10_10_0__05_posDiag.mps.mat:	0.32	2.91	1.82	17.29
triangular_30_-10_10_0__06_mixDiag.mps.mat:	0.39	4.59	2.57	32.38
triangular_30_-10_10_0__06_negDiag.mps.mat:	0.33	3.01	0.86	6.56
triangular_30_-10_10_0__06_posDiag.mps.mat:	0.54	3.05	3.01	55.57
triangular_30_-10_10_0__07_mixDiag.mps.mat:	0.30	2.94	1.89	36.27
triangular_30_-10_10_0__07_negDiag.mps.mat:	0.39	3.08	1.38	18.07
triangular_30_-10_10_0__07_posDiag.mps.mat:	0.59	4.96	4.33	90.24
triangular_30_-10_10_0__08_mixDiag.mps.mat:	0.33	2.88	2.21	42.01
triangular_30_-10_10_0__08_negDiag.mps.mat:	0.31	2.95	1.55	10.15
triangular_30_-10_10_0__08_posDiag.mps.mat:	0.39	2.94	4.05	58.87

... continued.

	Solution Time (s)			
SQP instance	quadprogIP	quadprogBB	CPLEX	BARON
triangular_30_-10_10_0__09_mixDiag.mps.mat:	0.33	2.65	1.04	16.60
triangular_30_-10_10_0__09_negDiag.mps.mat:	0.37	2.77	1.05	6.74
triangular_30_-10_10_0__09_posDiag.mps.mat:	0.41	2.99	4.52	52.54
triangular_30_-10_10_0__10_mixDiag.mps.mat:	0.51	2.70	1.99	22.92
triangular_30_-10_10_0__10_negDiag.mps.mat:	0.35	2.71	1.18	10.22
triangular_30_-10_10_0__10_posDiag.mps.mat:	0.41	2.36	1.97	22.39
triangular_30_-10_10_3__01_mixDiag.mps.mat:	0.31	4.92	1.11	12.56
triangular_30_-10_10_3__01_negDiag.mps.mat:	0.30	5.79	1.21	8.75
triangular_30_-10_10_3__01_posDiag.mps.mat:	0.32	2.82	1.91	28.34
triangular_30_-10_10_3__02_mixDiag.mps.mat:	0.33	2.78	1.58	55.10
triangular_30_-10_10_3__02_negDiag.mps.mat:	0.29	2.84	0.89	3.38
triangular_30_-10_10_3__02_posDiag.mps.mat:	0.37	2.75	1.67	37.86
triangular_30_-10_10_3__03_mixDiag.mps.mat:	0.31	4.70	2.98	44.81
triangular_30_-10_10_3__03_negDiag.mps.mat:	0.67	5.13	0.80	5.30
triangular_30_-10_10_3__03_posDiag.mps.mat:	0.31	2.81	3.53	82.29
triangular_30_-10_10_3__04_mixDiag.mps.mat:	0.31	2.80	1.39	9.91
triangular_30_-10_10_3__04_negDiag.mps.mat:	0.50	4.87	0.79	3.56
triangular_30_-10_10_3__04_posDiag.mps.mat:	0.33	2.84	1.40	8.04
triangular_30_-10_10_3__05_mixDiag.mps.mat:	0.43	2.64	1.15	16.87
triangular_30_-10_10_3__05_negDiag.mps.mat:	0.33	2.72	0.92	13.30
triangular_30_-10_10_3__05_posDiag.mps.mat:	0.43	2.47	3.02	31.00
triangular_30_-10_10_3__06_mixDiag.mps.mat:	0.50	2.85	1.24	4.72
triangular_30_-10_10_3__06_negDiag.mps.mat:	0.43	2.80	0.72	4.32
triangular_30_-10_10_3__06_posDiag.mps.mat:	0.41	2.75	1.40	33.55
triangular_30_-10_10_3__07_mixDiag.mps.mat:	0.43	2.68	1.02	6.89
triangular_30_-10_10_3__07_negDiag.mps.mat:	0.41	4.71	0.81	4.65
triangular_30_-10_10_3__07_posDiag.mps.mat:	0.37	4.72	0.90	3.12
triangular_30_-10_10_3__08_mixDiag.mps.mat:	0.32	3.03	1.95	17.66
triangular_30_-10_10_3__08_negDiag.mps.mat:	0.38	2.96	1.10	5.14
triangular__30_-10_10_3__08_posDiag.mps.mat:	0.55	2.86	1.88	28.94
triangular_30_-10_10_3__09_mixDiag.mps.mat:	0.34	2.74	1.18	13.15
triangular_30_-10_10_3__09_negDiag.mps.mat:	0.32	4.92	1.27	5.59
triangular_30_-10_10_3__09_posDiag.mps.mat:	0.36	2.70	1.49	42.94
triangula_r_30_-10_10_3__10_mixDiag.mps.mat:	0.47	2.93	1.12	19.59
triangular_30_-10_10_3__10_negDiag.mps.mat:	0.47	3.01	0.93	4.71
triangular_30_-10_10_3__10_posDiag.mps.mat:	0.28	2.95	1.75	52.65
triangular__30_0_10_5__01_mixDiag.mps.mat:	0.24	6.83	1.77	0.09
triangular_30_0_10_5__01_negDiag.mps.mat:	0.24	42.28	0.22	0.10
triangular_30_0_10_5__01_posDiag.mps.mat:	0.23	4.77	1.49	0.09
triangular_30_0_10_5__02_mixDiag.mps.mat:	0.40	5.12	9.42	0.31
triangular_30_0_10_5__02_negDiag.mps.mat:	0.23	24.05	0.29	0.12
triangular_30_0_10_5__02_posDiag.mps.mat:	0.48	5.06	9.35	0.31
triangular_30_0_10_5__03_mixDiag.mps.mat:	0.24	5.13	1.50	0.08
triangular_30_0_10_5__03_negDiag.mps.mat:	0.23	59.95	0.25	0.11
triangular_30_0_10_5__03_posDiag.mps.mat:	0.25	5.13	1.41	0.08
triangular_30_0_10_5__04_mixDiag.mps.mat:	0.40	15.02	4.45	0.19
triangular_30_0_10_5__04_negDiag.mps.mat:	0.24	92.20	0.26	0.12
triangular_30_0_10_5__04_posDiag.mps.mat:	0.32	15.32	4.68	0.20
triangular_30_0_10_5__05_mixDiag.mps.mat:	0.37	9.70	4.88	0.54
triangular_30_0_10_5__05_negDiag.mps.mat:	0.23	63.95	0.17	0.11
triangular_30_0_10_5__05_posDiag.mps.mat:	0.42	9.71	5.09	0.53
triangular_30_0_10_5__06_mixDiag.mps.mat:	0.48	9.08	19.93	0.54
triangular_30_0_10_5__06_negDiag.mps.mat:	0.24	44.77	0.32	0.10
triangular_30_0_10_5__06_posDiag.mps.mat:	0.29	9.22	19.92	0.54
triangular_30_0_10_5__07_mixDiag.mps.mat:	0.48	5.06	1.66	0.26

... continued.

	Solution Time (s)			
SQP instance	quadprogIP	quadprogBB	CPLEX	BARON
triangular_30_0_10_5__07_negDiag.mps.mat:	0.23	37.49	0.13	0.10
triangular_30_0_10_5__07_posDiag.mps.mat:	0.58	7.26	1.57	0.26
triangular_30_0_10_5__08_mixDiag.mps.mat:	0.30	12.25	4.39	0.30
triangular_30_0_10_5__08_negDiag.mps.mat:	0.24	41.83	0.15	0.10
triangular_30_0_10_5__08_posDiag.mps.mat:	0.33	12.05	4.46	0.29
triangular_30_0_10_5__09_mixDiag.mps.mat:	0.23	5.38	0.49	0.09
triangular_30_0_10_5__09_negDiag.mps.mat:	0.23	71.71	0.17	0.11
triangular_30_0_10_5__09_posDiag.mps.mat:	0.22	5.39	0.42	0.10
triangular_30_0_10_5__10_mixDiag.mps.mat:	0.31	4.96	3.89	0.19
triangular_30_0_10_5__10_negDiag.mps.mat:	0.23	45.21	0.25	0.08
triangular_30_0_10_5__10_posDiag.mps.mat:	0.36	4.97	3.80	0.19
triangular__50_-10_0_-5__01_mixDiag.mps.mat:	0.93	19.69	5559.78	-
triangular_50_-10_0_-5__01_negDiag.mps.mat:	0.83	16.68	5561.64	-
triangular_50_-10_0_-5__01_posDiag.mps.mat:	4.18	17.31	-	-
triangular_50_-10_0_-5__02_mixDiag.mps.mat:	0.67	18.65	2134.43	-
triangular_50_-10_0_-5__02_negDiag.mps.mat:	0.68	20.77	2154.58	-
triangular_50_-10_0_-5__02_posDiag.mps.mat:	4.11	14.45	-	-
triangular_50_-10_0_-5__03_mixDiag.mps.mat:	0.96	19.64	426.59	-
triangular_50_-10_0_-5__03_negDiag.mps.mat:	0.92	16.38	421.96	-
triangular_50_-10_0_-5__03_posDiag.mps.mat:	3.06	17.95	-	-
triangular_50_-10_0_-5__04_mixDiag.mps.mat:	0.81	25.17	2505.85	-
triangular_50_-10_0_-5__04_negDiag.mps.mat:	0.74	23.01	2505.86	-
triangular_50_-10_0_-5__04_posDiag.mps.mat:	3.32	14.33	-	-
triangular_50_-10_0_-5__05_mixDiag.mps.mat:	0.83	17.97	8860.08	-
triangular_50_-10_0_-5__05_negDiag.mps.mat:	0.78	15.30	8911.73	-
triangular_50_-10_0_-5__05_posDiag.mps.mat:	4.42	20.69	-	-
triangular_50_-10_0_-5__06_mixDiag.mps.mat:	0.64	21.26	4104.05	-
triangular_50_-10_0_-5__06_negDiag.mps.mat:	0.55	19.10	4116.75	-
triangular_50_-10_0_-5__06_posDiag.mps.mat:	3.74	18.81	-	-
triangular_50_-10_0_-5__07_mixDiag.mps.mat:	0.70	17.60	200.07	-
triangular_50_-10_0_-5__07_negDiag.mps.mat:	0.72	15.65	199.19	-
triangular_50_-10_0_-5__07_posDiag.mps.mat:	3.15	15.56	-	-
triangular_50_-10_0_-5__08_mixDiag.mps.mat:	1.22	15.96	4219.81	-
triangular_50_-10_0_-5__08_negDiag.mps.mat:	1.25	13.73	8115.18	-
triangular_50_-10_0_-5__08_posDiag.mps.mat:	31.16	47.26	-	-
triangular_50_-10_0_-5__09_mixDiag.mps.mat:	0.87	25.69	9126.40	-
triangular_50_-10_0_-5__09_negDiag.mps.mat:	13.41	108.73	-	-
triangular_50_-10_0_-5__09_posDiag.mps.mat:	14.92	17.08	-	-
triangular__50_-10_0_-5__10_mixDiag.mps.mat:	0.59	20.80	4825.96	-
triangular_50_-10_0_-5__10_negDiag.mps.mat:	0.74	18.54	8760.68	-
triangular_50_-10_0_-5__10_posDiag.mps.mat:	25.98	46.97	-	-
triangular_50_-10_10_-3__01_mixDiag.mps.mat:	0.53	14.21	14.74	-
triangular_50_-10_10_-3__01_negDiag.mps.mat:	0.40	12.63	27.49	-
triangular_50_-10_10_-3__01_posDiag.mps.mat:	0.83	11.11	290.41	-
triangular_50_-10_10_-3__02_mixDiag.mps.mat:	0.55	11.71	14.35	-
triangular_50_-10_10_-3__02_negDiag.mps.mat:	0.44	13.51	33.04	-
triangular_50_-10_10_-3__02_posDiag.mps.mat:	0.54	15.28	183.54	-
triangular_50_-10_10_-3__03_mixDiag.mps.mat:	0.62	11.67	9.19	-
triangular_50_-10_10_-3__03_negDiag.mps.mat:	0.54	12.99	9.38	-
triangular_50_-10_10_-3__03_posDiag.mps.mat:	0.57	14.86	326.08	-
triangular__50_-10_10_-3__04_mixDiag.mps.mat:	0.42	12.37	11.69	-
triangular_50_-10_10_-3__04_negDiag.mps.mat:	0.85	13.34	8.51	-
triangular__50_-10_10_-3__04_posDiag.mps.mat:	0.50	11.82	45.79	-
triangular_50_-10_10_-3__05_mixDiag.mps.mat:	0.54	15.69	59.97	-
triangular_50_-10_10_-3__05_negDiag.mps.mat:	0.45	16.50	18.35	-

... continued.

	Solution Time (s)			
SQP instance	quadprogIP	quadprogBB	CPLEX	BARON
triangular_50_-10_10_-3__05_posDiag.mps.mat:	0.55	10.88	170.68	-
triangular_50_-10_10_-3__06_mixDiag.mps.mat:	0.52	13.47	33.82	-
triangular_50_-10_10_-3__06_negDiag.mps.mat:	0.46	19.10	39.64	-
triangular_50_-10_10_-3__06_posDiag.mps.mat:	0.87	15.99	300.25	-
triangular_50_-10_10_-3__07_mixDiag.mps.mat:	0.97	11.99	47.31	-
triangular_50_-10_10_-3__07_negDiag.mps.mat:	0.70	17.32	61.56	-
triangular_50_-10_10_-3__07_posDiag.mps.mat:	0.52	19.77	667.46	-
triangular_50_-10_10_-3__08_mixDiag.mps.mat:	0.53	12.23	28.93	-
triangular_50_-10_10_-3__08_negDiag.mps.mat:	0.49	12.45	23.58	-
triangular_50_-10_10_-3__08_posDiag.mps.mat:	0.69	11.39	109.18	-
triangular_50_-10_10_-3__09_mixDiag.mps.mat:	0.48	22.55	76.74	-
triangular_50_-10_10_-3__09_negDiag.mps.mat:	0.62	21.19	71.83	-
triangular_50_-10_10_-3__09_posDiag.mps.mat:	0.89	12.49	234.24	-
triangular_50_-10_10_-3__10_mixDiag.mps.mat:	0.87	11.62	45.84	-
triangular_50_-10_10_-3__10_negDiag.mps.mat:	0.75	12.75	14.79	-
triangular_50_-10_10_-3__10_posDiag.mps.mat:	0.60	15.51	397.62	-
triangular_50_-10_10_0__01_mixDiag.mps.mat:	0.55	13.02	7.80	-
triangular_50_-10_10_0__01_negDiag.mps.mat:	0.67	14.71	17.82	-
triangular_50_-10_10_0__01_posDiag.mps.mat:	0.54	10.40	36.84	-
triangular_50_-10_10_0__02_mixDiag.mps.mat:	0.63	11.17	15.08	-
triangular_50_-10_10_0__02_negDiag.mps.mat:	0.58	11.59	5.06	-
triangular_50_-10_10_0__02_posDiag.mps.mat:	0.62	14.21	53.37	-
triangular_50_-10_10_0__03_mixDiag.mps.mat:	0.42	10.39	5.41	-
triangular_50_-10_10_0__03_negDiag.mps.mat:	0.52	10.74	4.89	-
triangular_50_-10_10_0__03_posDiag.mps.mat:	0.45	9.93	61.93	-
triangular_50_-10_10_0__04_mixDiag.mps.mat:	0.53	10.30	15.07	-
triangular_50_-10_10_0__04_negDiag.mps.mat:	0.55	12.35	16.84	-
triangular_50_-10_10_0__04_posDiag.mps.mat:	0.59	9.77	67.97	-
triangular_50_-10_10_0__05_mixDiag.mps.mat:	0.59	10.47	31.36	-
triangular_50_-10_10_0__05_negDiag.mps.mat:	0.56	11.39	10.88	-
triangular_50_-10_10_0__05_posDiag.mps.mat:	0.55	10.37	71.24	-
triangular_50_-10_10_0__06_mixDiag.mps.mat:	0.41	21.74	40.30	-
triangular_50_-10_10_0__06_negDiag.mps.mat:	0.62	10.77	6.63	-
triangular_50_-10_10_0__06_posDiag.mps.mat:	0.46	10.71	40.99	-
triangular_50_-10_10_0__07_mixDiag.mps.mat:	0.58	10.31	15.56	-
triangular_50_-10_10_0__07_negDiag.mps.mat:	0.58	11.54	8.41	-
triangular_50_-10_10_0__07_posDiag.mps.mat:	0.46	10.49	51.87	-
triangular__50_-10_10_0__08_mixDiag.mps.mat:	0.56	13.98	9.97	-
triangular_50_-10_10_0__08_negDiag.mps.mat:	0.75	10.16	5.23	-
triangular_50_-10_10_0__08_posDiag.mps.mat:	0.54	10.20	52.70	-
triangular_50_-10_10_0__09_mixDiag.mps.mat:	0.81	10.68	22.65	-
triangular_50_-10_10_0__09_negDiag.mps.mat:	0.55	11.03	7.99	-
triangular_50_-10_10_0__09_posDiag.mps.mat:	0.54	10.94	97.30	-
triangular_50_-10_10_0__10_mixDiag.mps.mat:	0.65	11.51	8.00	-
triangular_50_-10_10_0__10_negDiag.mps.mat:	0.62	15.45	6.78	-
triangular_50_-10_10_0__10_posDiag.mps.mat:	0.47	10.31	45.47	-
triangular_50_-10_10_3__01_mixDiag.mps.mat:	0.51	8.79	14.33	-
triangular_50_-10_10_3__01_negDiag.mps.mat:	0.60	12.24	5.75	-
triangular_50_-10_10_3__01_posDiag.mps.mat:	0.67	8.30	29.50	-
triangular_50_-10_10_3__02_mixDiag.mps.mat:	0.72	10.44	6.32	-
triangular_50_-10_10_3__02_negDiag.mps.mat:	0.55	15.90	7.76	-
triangular_50_-10_10_3__02_posDiag.mps.mat:	0.54	13.23	35.63	-
triangular_50_-10_10_3__03_mixDiag.mps.mat:	0.43	9.84	8.11	-
triangular_50_-10_10_3__03_negDiag.mps.mat:	0.74	14.05	4.74	-
triangular_50_-10_10_3__03_posDiag.mps.mat:	0.74	9.75	31.15	-

... continued.

	Solution Time (s)			
SQP instance	quadprogIP	quadprogBB	CPLEX	BARON
triangular_50_-10_10_3__04_mixDiag.mps.mat:	0.67	9.96	11.51	-
triangular_50_-10_10_3__04_negDiag.mps.mat:	0.62	10.78	6.96	-
triangular_50_-10_10_3__04_posDiag.mps.mat:	0.46	9.21	26.58	-
triangular_50_-10_10_3__05_mixDiag.mps.mat:	0.70	9.08	4.59	-
triangular_50_-10_10_3__05_negDiag.mps.mat:	0.65	9.31	5.43	-
triangular_50_-10_10_3__05_posDiag.mps.mat:	0.64	9.45	36.36	-
triangular_50_-10_10_3__06_mixDiag.mps.mat:	0.54	9.64	8.31	-
triangular_50_-10_10_3__06_negDiag.mps.mat:	0.58	10.71	4.38	-
triangular_50_-10_10_3__06_posDiag.mps.mat:	0.50	10.15	9.42	-
triangular_50_-10_10_3__07_mixDiag.mps.mat:	0.87	8.62	5.61	-
triangular_50_-10_10_3__07_negDiag.mps.mat:	0.60	9.75	3.05	-
triangular_50_-10_10_3__07_posDiag.mps.mat:	0.60	8.78	35.52	-
triangular_50_-10_10_3__08_mixDiag.mps.mat:	0.61	9.53	4.40	-
triangular_50_-10_10_3__08_negDiag.mps.mat:	0.41	10.59	3.22	-
triangular_50_-10_10_3__08_posDiag.mps.mat:	0.62	8.99	8.69	-
triangular_50_-10_10_3__09_mixDiag.mps.mat:	0.63	9.56	15.26	-
triangular_50_-10_10_3__09_negDiag.mps.mat:	0.57	13.30	4.22	-
triangular_50_-10_10_3__09_posDiag.mps.mat:	0.63	9.16	7.25	-
triangular__50_-10_10_3__10_mixDiag.mps.mat:	0.64	9.47	14.60	-
triangular_50_-10_10_3__10_negDiag.mps.mat:	0.52	9.58	6.10	-
triangular_50_-10_10_3__10_posDiag.mps.mat:	0.56	12.18	48.72	-
triangular_50_0_10_5__01_mixDiag.mps.mat:	0.27	11.75	7.25	55.43
triangular_50_0_10_5__01_negDiag.mps.mat:	0.27	463.71	0.26	0.80
triangular_50_0_10_5__01_posDiag.mps.mat:	0.25	9.45	7.22	55.33
triangular_50_0_10_5__02_mixDiag.mps.mat:	0.49	28.52	17.84	239.14
triangular_50_0_10_5__02_negDiag.mps.mat:	0.26	587.17	0.23	0.63
triangular_50_0_10_5__02_posDiag.mps.mat:	0.36	28.59	18.05	238.94
triangular_50_0_10_5__03_mixDiag.mps.mat:	0.43	26.17	18.27	18.39
triangular_50_0_10_5__03_negDiag.mps.mat:	0.26	427.17	0.03	0.56
triangular_50_0_10_5__03_posDiag.mps.mat:	0.42	26.22	18.59	18.40
triangular_50_0_10_5__04_mixDiag.mps.mat:	0.36	12.63	9.11	20.87
triangular_50_0_10_5__04_negDiag.mps.mat:	0.26	881.50	0.28	0.56
triangular_50_0_10_5__04_posDiag.mps.mat:	0.39	12.75	9.10	20.91
triangular_50_0_10_5__05_mixDiag.mps.mat:	0.36	8.72	75.25	36.92
triangular_50_0_10_5__05_negDiag.mps.mat:	0.27	413.93	0.11	0.98
triangular_50_0_10_5__05_posDiag.mps.mat:	0.34	8.80	79.70	36.93
triangular_50_0_10_5__06_mixDiag.mps.mat:	0.46	21.99	84.93	65.48
triangular_50_0_10_5__06_negDiag.mps.mat:	0.27	759.58	0.37	0.86
triangular_50_0_10_5__06_posDiag.mps.mat:	0.50	19.78	84.02	65.22
triangular_50_0_10_5__07_mixDiag.mps.mat:	0.37	8.93	2.71	19.84
triangular_50_0_10_5__07_negDiag.mps.mat:	0.39	1005.90	0.28	0.57
triangular_50_0_10_5__07_posDiag.mps.mat:	0.41	8.84	2.64	19.83
triangular_50_0_10_5__08_mixDiag.mps.mat:	0.52	21.45	3.14	16.91
triangular_50_0_10_5__08_negDiag.mps.mat:	0.26	595.66	0.38	0.59
triangular_50_0_10_5__08_posDiag.mps.mat:	0.48	21.41	3.07	16.91
triangular_50_0_10_5__09_mixDiag.mps.mat:	0.58	13.05	100.73	37.20
triangular_50_0_10_5__09_negDiag.mps.mat:	0.27	894.11	0.13	0.65
triangular_50_0_10_5__09_posDiag.mps.mat:	0.54	13.15	96.06	37.20
triangular_50_0_10_5__10_mixDiag.mps.mat:	0.69	9.37	25.97	226.95
triangular_50_0_10_5__10_negDiag.mps.mat:	0.26	664.75	0.25	0.54
triangular_50_0_10_5__10_posDiag.mps.mat:	0.47	9.38	25.46	227.25

Table 2: Solution time in seconds for SQP30 and SQP50 instances. Dash "-" indicates that solver was unable to solve the instance within the maximum allowed time of 10^4s.

3. Raw Data for Figure 3: BoxQP instances

	Solution Time (s)			
BoxQP instance	`quadprogIP`	`quadprogBB`	`CPLEX`	`BARON`
spar020-100-1.mat:	0.54	8.05	0.14	0.26
spar020-100-2.mat:	0.47	4.94	0.36	0.90
spar020-100-3.mat:	0.52	1.95	0.39	0.41
spar030-060-1.mat:	10.64	24.48	1.38	1.32
spar030-060-2.mat:	0.72	5.60	0.37	0.66
spar030-060-3.mat:	2.74	28.07	0.94	1.91
spar030-070-1.mat:	27.63	24.11	1.97	7.20
spar030-070-2.mat:	1.26	8.63	0.53	0.75
spar030-070-3.mat:	1.38	39.31	0.56	2.16
spar030-080-1.mat:	20.29	29.98	2.83	4.43
spar030-080-2.mat:	0.70	3.74	0.18	0.39
spar030-080-3.mat:	0.56	5.75	0.21	1.21
spar030-090-1.mat:	2.16	4.02	1.02	3.92
spar030-090-2.mat:	2.41	18.24	1.23	3.74
spar030-090-3.mat:	1.42	3.89	0.61	0.94
spar030-100-1.mat:	12.15	5.87	1.81	11.70
spar030-100-2.mat:	18.86	8.91	2.93	3.03
spar030-100-3.mat:	2.81	25.93	1.74	16.18
spar040-030-1.mat:	1.50	17.13	0.06	0.24
spar040-030-2.mat:	1.47	18.68	0.25	0.85
spar040-030-3.mat:	1.70	23.95	0.15	0.42
spar040-040-1.mat:	70.75	87.95	2.29	3.65
spar040-040-2.mat:	2.88	7.65	0.19	0.73
spar040-040-3.mat:	50.44	30.51	2.15	1.97
spar040-050-1.mat:	50.87	48.05	1.62	6.80
spar040-050-2.mat:	21.62	76.76	0.90	2.05
spar040-050-3.mat:	24.26	35.10	1.01	4.62
spar040-060-1.mat:	279.90	265.21	4.33	47.23
spar040-060-2.mat:	4.62	28.50	0.96	3.30
spar040-060-3.mat:	2.55	7.08	0.76	0.61
spar040-070-1.mat:	39.64	17.35	3.18	22.32
spar040-070-2.mat:	38.11	9.16	1.70	16.60
spar040-070-3.mat:	22.40	23.72	1.37	7.67
spar040-080-1.mat:	136.50	8.36	4.08	24.85
spar040-080-2.mat:	97.98	9.58	2.92	14.29
spar040-080-3.mat:	23.60	26.01	3.86	10.02
spar040-090-1.mat:	90.55	20.97	4.78	33.17
spar040-090-2.mat:	114.86	17.12	8.50	3.38
spar040-090-3.mat:	41.40	8.53	3.54	20.13
spar040-100-1.mat:	50.82	20.43	5.76	5.25
spar040-100-2.mat:	433.76	36.40	13.23	135.68
spar040-100-3.mat:	-	111.03	143.34	3464.90
spar050-030-1.mat:	6.35	13.96	0.23	0.46
spar050-030-2.mat:	74.57	60.81	1.67	0.98
spar050-030-3.mat:	51.58	101.20	1.17	1.24
spar050-040-1.mat:	219.59	28.29	3.89	3.48
spar050-040-2.mat:	363.39	99.58	3.01	5.00
spar050-040-3.mat:	67.18	25.73	1.51	6.12
spar050-050-1.mat:	-	844.37	59.04	151.53
spar050-050-2.mat:	9362.43	186.92	6.26	9.20

... continued.

	Solution Time (s)			
BoxQP instance	`quadprogIP`	`quadprogBB`	`CPLEX`	`BARON`
spar050-050-3.mat:	-	151.02	8.57	14.81
spar060-020-1.mat:	73.57	61.98	0.45	1.23
spar060-020-2.mat:	25.95	120.08	0.32	0.60
spar060-020-3.mat:	307.08	122.56	1.35	0.74
spar070-025-1.mat:	-	303.65	2.99	12.10
spar070-025-2.mat:	-	225.25	6.28	25.20
spar070-025-3.mat:	-	433.58	7.00	11.85
spar070-050-1.mat:	-	303.67	75.62	596.89
spar070-050-2.mat:	-	176.07	36.06	153.62
spar070-050-3.mat:	-	51.10	11.15	6.80
spar070-075-1.mat:	-	421.36	583.27	-
spar070-075-2.mat:	-	1975.02	-	-
spar070-075-3.mat:	-	930.34	5527.54	-
spar080-025-1.mat:	-	194.12	5.04	13.31
spar080-025-2.mat:	-	561.83	21.18	651.05
spar080-025-3.mat:	-	649.85	12.37	47.60
spar080-050-1.mat:	-	7036.10	-	-
spar080-050-2.mat:	-	222.22	79.98	419.26
spar080-050-3.mat:	-	961.18	125.12	333.29
spar080-075-1.mat:	-	1020.16	-	-
spar080-075-2.mat:	-	1593.86	-	-
spar080-075-3.mat:	-	4039.24	-	-
spar090-025-1.mat:	-	1873.96	47.46	192.00
spar090-025-2.mat:	-	1437.05	40.33	212.72
spar090-025-3.mat:	-	1144.72	27.98	131.82
spar090-050-1.mat:	-	3306.96	2653.66	-
spar090-050-2.mat:	-	702.29	250.20	795.44
spar090-050-3.mat:	-	2308.84	261.05	9413.98
spar090-075-1.mat:	-	9078.98	-	-
spar090-075-2.mat:	-	8842.31	-	-
spar090-075-3.mat:	-	3562.65	-	-
spar100-025-1.mat:	-	1507.06	108.77	3713.21
spar100-025-2.mat:	-	1103.15	74.77	988.46
spar100-025-3.mat:	-	1253.51	64.97	676.99
spar100-050-1.mat:	-	-	-	-
spar100-050-2.mat:	-	-	-	-
spar100-050-3.mat:	-	2153.70	-	-
spar100-075-1.mat:	-	-	-	-
spar100-075-2.mat:	-	-	-	-
spar100-075-3.mat:	-	-	-	-

Table 3: Solution time in seconds for BoxQP instances. Dash "-" indicates that solver was unable to solve the instance within the maximum allowed time of 10^4s.

4. Raw Data for Figure 4: BoxQP instances

	Solution Time (s)		
BoxQP instance	`quadprogIP`	`quadprogBB`	`quadprogIP+constraints (30)`
spar020-100-1.mat:	0.57	0.43	8.05
spar020-100-2.mat:	0.37	0.51	4.94
spar020-100-3.mat:	0.36	0.41	1.95
spar030-060-1.mat:	10.64	11.15	24.48
spar030-060-2.mat:	0.68	0.57	5.60
spar030-060-3.mat:	2.75	2.22	28.07
spar030-070-1.mat:	27.97	15.08	24.11
spar030-070-2.mat:	1.17	1.02	8.63
spar030-070-3.mat:	1.44	1.21	39.31
spar030-080-1.mat:	20.39	11.88	29.98
spar030-080-2.mat:	0.72	0.60	3.74
spar030-080-3.mat:	0.67	0.85	5.75
spar030-090-1.mat:	2.22	2.14	4.02
spar030-090-2.mat:	2.42	2.02	18.24
spar030-090-3.mat:	1.50	1.35	3.89
spar030-100-1.mat:	12.19	4.22	5.87
spar030-100-2.mat:	19.07	9.23	8.91
spar030-100-3.mat:	2.82	2.31	25.93
spar040-030-1.mat:	1.61	1.39	17.13
spar040-030-2.mat:	1.38	1.33	18.68
spar040-030-3.mat:	1.64	1.41	23.95
spar040-040-1.mat:	70.50	51.72	87.95
spar040-040-2.mat:	2.93	2.27	7.65
spar040-040-3.mat:	50.96	48.04	30.51
spar040-050-1.mat:	51.48	35.72	48.05
spar040-050-2.mat:	21.54	17.44	76.76
spar040-050-3.mat:	24.43	17.08	35.10
spar040-060-1.mat:	282.22	329.53	265.21
spar040-060-2.mat:	4.66	4.45	28.50
spar040-060-3.mat:	2.52	2.58	7.08
spar040-070-1.mat:	40.09	26.92	17.35
spar040-070-2.mat:	38.33	25.11	9.16
spar040-070-3.mat:	22.51	18.62	23.72
spar040-080-1.mat:	138.15	76.38	8.36
spar040-080-2.mat:	99.16	45.94	9.58
spar040-080-3.mat:	23.65	20.75	26.01
spar040-090-1.mat:	91.32	57.78	20.97
spar040-090-2.mat:	116.04	54.22	17.12
spar040-090-3.mat:	41.46	28.64	8.53
spar040-100-1.mat:	50.87	39.40	20.43
spar040-100-2.mat:	437.04	165.99	36.40

Table 4: Solution time in seconds for BoxQP instances.

5. Raw Data for Figure 5: Cuter, Globallib and RandQP instances

	Solution Time (s)			
general QP instance	`quadprogIP`	`quadprogBB`	`CPLEX`	`BARON`
biggsc4.mat:	6.27	5.02	3.74	0.18

... continued.

	Solution Time (s)			
general QP instance	`quadprogIP`	`quadprogBB`	`CPLEX`	`BARON`
dualc2.mat:	2.68	20.33	0.01	0.02
hatfldh.mat:	6.22	2.47	3.52	0.17
hs044.mat:	3.71	1.74	2.02	0.10
hs44new.mat:	4.63	1.14	2.22	0.08
qudlin.mat:	0.20	1.78	0.00	0.01
ex2_1_1.mat:	0.32	13.49	0.12	0.20
ex2_1_10.mat:	0.50	5.22	0.28	0.22
ex2_1_2.mat:	0.19	0.45	0.00	0.04
ex2_1_3.mat:	0.30	2.56	0.59	1.02
ex2_1_4.mat:	0.19	0.48	0.01	1.13
ex2_1_5.mat:	0.20	2.42	0.37	0.12
ex2_1_6.mat:	0.29	21.08	0.33	0.32
ex2_1_7.mat:	8.15	180.66	0.49	1.46
ex2_1_8.mat:	0.43	641.43	0.20	0.70
ex2_1_9.mat:	0.26	1.06	0.42	4.75
nemhaus.mat:	0.19	0.37	0.00	0.02
qp1.mat:	12.18	29.17	0.01	-
qp2.mat:	13.18	28.84	0.02	-
st_bpaf1a.mat:	0.20	9.56	0.15	0.02
st_bpaf1b.mat:	0.20	8.52	0.09	0.02
st_bpk1.mat:	0.26	1.07	0.18	0.11
st_bpk2.mat:	0.29	1.04	0.40	0.10
st_bpv2.mat:	0.20	0.90	0.23	0.03
st_bsj2.mat:	0.46	0.93	0.10	0.12
st_bsj3.mat:	0.20	0.91	0.00	0.02
st_bsj4.mat:	0.26	6.71	0.21	0.28
st_e22.mat:	0.30	0.89	0.27	0.06
st_e23.mat:	0.20	0.93	0.27	0.01
st_e24.mat:	0.20	1.00	0.24	0.06
st_e25.mat:	0.34	1.02	0.22	0.02
st_e26.mat:	0.20	0.77	0.11	0.03
st_fp1.mat:	0.40	12.08	0.14	0.18
st_fp2.mat:	0.20	0.43	0.00	0.04
st_fp3.mat:	0.41	2.39	0.11	1.02
st_fp4.mat:	0.28	2.81	0.01	1.12
st_fp5.mat:	0.20	2.44	0.26	0.12
st_fp6.mat:	0.33	21.16	0.12	0.32
st_fp7a.mat:	4.10	38.15	0.36	0.69
st_fp7b.mat:	5.44	33.52	0.44	0.69
st_fp7c.mat:	5.11	35.47	0.22	0.72
st_fp7d.mat:	3.92	35.98	0.23	0.69
st_fp7e.mat:	8.02	181.19	0.45	1.45
qp3.mat:	153.32	-	-	-
st_glmp_fp1.mat:	0.22	2.77	0.22	0.08
st_glmp_fp2.mat:	0.20	2.99	0.15	0.13
st_glmp_fp3.mat:	0.25	1.32	0.04	0.11
st_glmp_kk90.mat:	0.20	1.21	0.24	-
st_glmp_kk92.mat:	0.26	2.48	0.03	0.13
st_glmp_kky.mat:	0.20	1.78	0.30	0.06
st_glmp_ss1.mat:	0.20	1.85	0.25	0.10
st_glmp_ss2.mat:	0.20	1.41	0.20	0.10
st_ht.mat:	0.27	2.83	0.27	0.06
st_iqpbk1.mat:	0.34	1.90	0.58	0.14
st_iqpbk2.mat:	0.27	1.88	0.50	0.14
st_jcbpaf2.mat:	0.38	140.91	0.25	0.03

... continued.

	Solution Time (s)			
general QP instance	`quadprogIP`	`quadprogBB`	`CPLEX`	`BARON`
st_jcbpafex.mat:	0.20	0.92	0.36	0.01
st_kr.mat:	0.28	0.81	0.09	0.07
st_m1.mat:	0.88	4.65	0.68	0.49
st_m2.mat:	12.50	9.34	0.64	1.25
st_pan1.mat:	0.28	1.89	0.12	0.08
st_pan2.mat:	0.32	12.24	0.23	0.19
st_ph1.mat:	0.30	1.18	0.20	0.12
st_ph10.mat:	0.19	0.32	0.00	0.17
st_ph11.mat:	0.59	4.44	0.10	0.06
st_ph12.mat:	0.38	4.58	0.10	0.06
st_ph13.mat:	0.30	3.83	0.09	0.06
st_ph14.mat:	0.24	1.30	0.21	0.06
st_ph15.mat:	0.27	0.97	0.20	0.12
st_ph2.mat:	0.27	1.20	0.12	0.10
st_ph20.mat:	0.31	0.95	0.10	0.07
st_ph3.mat:	0.28	0.99	0.09	0.08
st_phex.mat:	0.26	0.81	0.09	0.07
st_qpc_m0.mat:	0.25	0.69	0.07	0.06
st_qpc_m1.mat:	0.31	0.89	0.02	0.03
st_qpc_m3a.mat:	0.29	1.83	0.02	0.04
st_qpc_m3b.mat:	0.25	1.85	0.03	0.04
st_qpc_m3c.mat:	0.19	0.65	0.00	0.04
st_qpc_m4.mat:	0.19	0.65	0.00	0.08
st_qpk1.mat:	0.30	0.76	0.24	0.02
st_qpk2.mat:	0.34	28.85	0.39	0.28
st_qpk3.mat:	0.42	103.81	0.30	0.77
st_rv1.mat:	0.28	1.50	0.58	0.31
st_rv2.mat:	0.56	2.65	0.40	0.61
st_rv3.mat:	4.68	44.24	0.41	0.88
st_rv7.mat:	17.06	57.51	0.67	0.62
st_rv8.mat:	36.99	1703.08	0.66	0.70
st_rv9.mat:	125.21	5091.61	7.61	4.26
st_z.mat:	2.99	0.90	5.16	0.82
stat.mat:	4.54	0.86	5.71	0.12
qp20_10_1_1.mat:	0.61	415.55	0.03	0.42
qp20_10_1_2.mat:	0.65	103.57	0.50	5.36
qp20_10_1_3.mat:	1.54	152.00	0.63	0.66
qp20_10_1_4.mat:	8.26	1158.68	0.32	-
qp20_10_2_1.mat:	0.39	227.23	0.22	1.17
qp20_10_2_2.mat:	1.68	64.40	1.47	-
qp20_10_2_3.mat:	0.66	19.04	0.59	253.70
qp20_10_2_4.mat:	0.52	22.18	0.73	-
qp20_10_3_1.mat:	0.51	70.41	0.36	1.88
qp20_10_3_2.mat:	0.59	134.75	0.45	3.41
qp20_10_3_3.mat:	4.21	351.26	0.41	9.49
qp20_10_3_4.mat:	4.36	191.32	0.37	1.29
qp20_10_4_1.mat:	0.39	228.44	0.45	27.74
qp20_10_4_2.mat:	0.66	15.60	0.16	-
qp20_10_4_3.mat:	0.56	156.68	0.52	5.92
qp20_10_4_4.mat:	4.88	26.48	1.09	10.16
qp30_15_1_1.mat:	0.67	87.55	0.01	0.04
qp30_15_1_2.mat:	1513.83	1298.48	0.42	2.16
qp30_15_1_3.mat:	19.52	36.63	1.04	-
qp30_15_1_4.mat:	1.13	33.63	0.14	0.51
qp30_15_2_1.mat:	0.23	125.32	0.78	3.14

... continued.

	Solution Time (s)			
general QP instance	`quadprogIP`	`quadprogBB`	`CPLEX`	`BARON`
qp30_15_2_2.mat:	1959.20	6828.69	1.59	30.33
qp30_15_2_3.mat:	10.25	1770.61	0.98	58.28
qp30_15_2_4.mat:	6.78	468.55	0.62	-
qp30_15_3_1.mat:	17.55	1615.60	1.90	53.50
qp30_15_3_2.mat:	0.54	336.85	1.11	10.71
qp30_15_3_3.mat:	40.91	64.50	0.37	-
qp30_15_3_4.mat:	0.88	38.90	0.66	25.66
qp30_15_4_1.mat:	0.88	70.55	0.27	-
qp30_15_4_2.mat:	44.22	538.13	2.15	-
qp30_15_4_3.mat:	1.04	143.37	3.07	151.10
qp30_15_4_4.mat:	0.50	457.69	2.84	14.74
qp40_20_1_1.mat:	3142.93	861.48	0.89	-
qp40_20_1_2.mat:	180.47	2670.98	0.98	-
qp40_20_1_3.mat:	10.24	1253.12	0.72	-
qp40_20_1_4.mat:	1.46	276.53	1.29	28.54
qp40_20_2_1.mat:	0.69	1549.65	0.43	31.20
qp40_20_2_2.mat:	3633.05	1244.08	1203.98	-
qp40_20_2_3.mat:	-	-	2.13	765.34
qp40_20_2_4.mat:	520.74	1732.09	0.02	0.09
qp40_20_3_1.mat:	23.93	4708.43	2.11	218.51
qp40_20_3_2.mat:	302.53	155.67	46.14	-
qp40_20_3_3.mat:	0.69	246.62	3.92	191.57
qp40_20_3_4.mat:	15.37	799.86	3.78	-
qp40_20_4_1.mat:	6251.25	1108.91	512.91	-
qp40_20_4_2.mat:	270.16	5902.29	9.19	314.23
qp40_20_4_3.mat:	142.99	-	37.54	-
qp40_20_4_4.mat:	25.63	542.14	26.25	-
qp50_25_1_1.mat:	-	5587.21	1.18	116.32
qp50_25_1_2.mat:	23.81	445.21	1.88	-
qp50_25_1_3.mat:	-	-	20.25	-
qp50_25_1_4.mat:	1.41	1823.25	1.95	-
qp50_25_2_1.mat:	87.23	9632.58	0.02	87.06
qp50_25_2_2.mat:	-	-	2.96	370.45
qp50_25_2_3.mat:	2644.62	-	2.73	-
qp50_25_2_4.mat:	1.27	562.60	1.97	-
qp50_25_3_1.mat:	-	-	6.37	1175.22
qp50_25_3_2.mat:	0.94	-	4.69	35.08
qp50_25_3_3.mat:	-	-	135.02	-
qp50_25_3_4.mat:	1.93	1904.46	24.44	5290.30
qp50_25_4_1.mat:	326.95	5926.12	94.98	-
qp50_25_4_2.mat:	1.36	2238.53	34.80	3084.81
qp50_25_4_3.mat:	-	-	88.56	-
qp50_25_4_4.mat:	0.69	7607.97	26.63	430.75

Table 5: Solution time in seconds for Cuter, Globallib and RandQP instances. Dash "-" indicates that solver was unable to solve the instance within the maximum allowed time of 10^4s.