

heur-results

Instance	Our (Simple ILS)		Quevedo-Orozco (2015)		Scaparra (2004)	
	sol_value	CPU time(s)	sol_value	CPU time(s)	sol_value	CPU time(s)
p550-1	31	0.013722	29	0.2165	29	0.7021
p550-2	43	0.00899	33	0.2026	33	0.9766
p550-3	36	0.018503	26	0.2181	28	0.9038
p550-4	36	0.013103	32	0.2124	32	1.0066
p550-5	32	0.011437	29	0.2276	29	1.1107
p550-6	32	0.013074	31	0.2229	32	1.0494
p550-7	33	0.01423	30	0.2281	30	1.2228
p550-8	35	0.016147	31	0.2367	31	1.0838
p550-9	29	0.024932	28	0.2315	28	1.3026
p550-10	37	0.015403	32	0.2203	35	2.5144
p1250-1	19	0.036799	19	0.4299	19	1.1841
p1250-2	27	0.020525	22	0.4204	22	2.1885
p1250-3	23	0.024607	21	0.4731	22	1.9602
p1250-4	31	0.014514	28	0.4876	26	2.5134
p1250-5	25	0.0313	24	0.4535	23	3.2766
p1250-6	28	0.021111	22	0.4124	23	3.7267
p1250-7	20	0.027636	20	0.4081	20	4.9884
p1250-8	24	0.024027	24	0.3889	24	3.7847
p1250-9	23	0.028284	23	0.3535	-	0.4514
p1250-10	24	0.018141	24	0.3226	-	0.1523
p1650-1	18	0.021665	17	0.549	17	1.2311
p1650-2	22	0.019037	19	0.6096	19	2.6716
p1650-3	15	0.023734	15	0.5458	15	1.9857
p1650-4	25	0.031784	24	0.6388	22	3.3979
p1650-5	18	0.027515	21	0.6277	18	3.0718
p1650-6	20	0.025813	22	0.5325	20	6.689
p1650-7	21	0.025988	19	0.5651	19	7.2013
p1650-8	24	0.031564	24	0.5195	-	0.5347
p1650-9	21	0.021035	19	0.4803	-	0.6195
p1650-10	26	0.020064	26	0.4858	-	0.1925
p2050-1	17	0.037681	18	0.6443	17	1.7803
p2050-2	20	0.043547	21	0.9525	19	4.2371
p2050-3	23	0.034873	24	0.7968	17	6.2902
p2050-4	24	0.028913	24	0.7391	22	4.713
p2050-5	21	0.023891	27	0.5924	-	0.3581
p2050-6	23	0.0251	28	0.5992	-	0.2189
p2050-7	21	0.02995	21	0.6528	-	0.2276
p2050-8	24	0.032374	24	0.5881	-	0.227
p2050-9	24	0.025315	30	0.5762	-	0.2247
p2050-10	29	0.035164	42	0.596	-	0.2429
p10100-11	23	0.044686	19	0.5584	20	9.1812
p10100-12	22	0.124487	20	0.5437	23	10.2129
p10100-13	23	0.051558	20	0.5405	22	9.674
p10100-14	25	0.037152	20	0.536	22	8.6803
p10100-15	26	0.045691	21	0.5528	23	9.6009
p10100-16	23	0.043272	20	0.5482	21	10.3432
p10100-17	25	0.050459	23	0.5699	23	9.7811
p10100-18	27	0.039568	21	0.5566	23	8.2143
p10100-19	24	0.036563	21	0.5616	23	10.1985
p10100-20	23	0.056322	23	0.5949	23	8.8727
p25100-11	17	0.052826	14	1.484	14	8.7163
p25100-12	14	0.063614	14	1.3998	15	9.6657
p25100-13	18	0.048473	13	1.5084	16	9.1298
p25100-14	18	0.045592	15	1.4984	15	10.1244
p25100-15	18	0.060404	16	1.539	17	10.0659
p25100-16	17	0.063406	15	1.4393	15	11.5644
p25100-17	19	0.071669	17	1.4517	17	12.5549
p25100-18	18	0.074983	14	1.4222	16	10.6815

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p25100-19	18	0.067378	17	1.303	17	14.006
p25100-20	20	0.123509	18	1.1011	-	0.5835
p33100-11	17	0.050239	12	2.466	14	12.608
p33100-12	16	0.059561	13	2.2005	13	12.7252
p33100-13	14	0.088069	12	2.0295	13	9.6783
p33100-14	17	0.06132	14	2.0957	14	16.8155
p33100-15	16	0.10083	14	2.1448	14	11.2855
p33100-16	15	0.077432	15	2.1963	15	17.1479
p33100-17	17	0.062692	13	1.9541	14	24.2262
p33100-18	18	0.051128	15	2.1406	15	18.2736
p33100-19	17	0.097665	13	2.3911	13	28.1515
p33100-20	15	0.090825	17	1.6679	-	4.7579
p40100-11	17	0.076963	17	2.7677	14	37.6165
p40100-12	18	0.053504	15	3.1804	13	25.4405
p40100-13	15	0.082078	17	2.7119	12	22.8814
p40100-14	16	0.069374	19	2.2114	-	70.7134
p40100-15	17	0.072332	22	2.3467	-	5.7779
p40100-16	18	0.0783	17	2.2327	-	103.6311
p40100-17	19	0.045927	23	2.0961	-	5.4878
p40100-18	17	0.064315	21	2.0236	-	3.3926
p40100-19	19	0.060572	19	2.1469	-	29.4028
p40100-20	22	0.045441	37	2.0656	-	3.9331
p15150-21	22	0.13313	17	0.978	20	27.4777
p15150-22	21	0.071763	17	1.0124	19	24.7646
p15150-23	22	0.082596	16	1.027	19	23.3461
p15150-24	21	0.073606	17	1.0082	20	29.1786
p15150-25	19	0.076403	16	0.9511	18	22.9931
p15150-26	23	0.076153	17	0.9663	18	28.4808
p15150-27	22	0.067758	19	1.0762	20	27.2201
p15150-28	24	0.062998	17	0.962	18	28.0575
p15150-29	18	0.124854	16	0.9355	18	25.6862
p15150-30	21	0.063426	16	0.9634	18	28.8737
p37150-21	16	0.112829	13	2.9187	14	36.6902
p37150-22	17	0.088607	13	2.6825	13	26.9122
p37150-23	16	0.131723	14	2.6408	14	28.2609
p37150-24	15	0.127869	12	2.9687	13	26.0893
p37150-25	13	0.261719	11	2.6415	12	15.7838
p37150-26	16	0.147067	11	2.5134	13	33.4472
p37150-27	20	0.114659	16	2.0724	15	213.9135
p37150-28	16	0.12969	12	2.5104	13	31.1128
p37150-29	15	0.095078	11	2.7041	12	28.8124
p37150-30	15	0.116102	11	2.5957	13	28.226
p50150-21	16	0.13306	13	5.7873	13	58.2029
p50150-22	16	0.147828	17	4.9971	13	59.5882
p50150-23	17	0.126985	18	4.3317	-	32.2663
p50150-24	13	0.137912	13	5.8367	12	44.2108
p50150-25	13	0.170069	10	6.0661	10	24.294
p50150-26	14	0.171768	11	5.9255	11	26.439
p50150-27	19	0.16776	17	4.2222	-	22.1044
p50150-28	16	0.107869	11	5.7039	11	28.3252
p50150-29	14	0.126688	12	5.6874	11	30.2876
p50150-30	14	0.177027	11	6.1782	11	20.298
p60150-21	17	0.111074	18	8.1174	13	242.8091
p60150-22	17	0.155094	26	5.1968	-	10.2308
p60150-23	16	0.13209	25	5.2005	-	5.8737
p60150-24	17	0.104595	15	6.881	12	81.2666
p60150-25	12	0.13641	11	7.8464	10	24.7686
p60150-26	14	0.110879	13	10.5056	11	36.8436

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	sol_value	CPU time(s)	sol_value	CPU time(s)	sol_value	CPU time(s)
p60150-27	20	0.192105	44	5.0758	-	7.7439
p60150-28	15	0.15536	13	7.4678	12	35.9792
p60150-29	14	0.129292	13	8.555	11	38.4672
p60150-30	12	0.176418	12	7.5792	10	31.3243
p20200-31	18	0.166374	14	1.498	17	52.5534
p20200-32	20	0.143453	16	1.8011	18	86.419
p20200-33	18	0.21438	15	1.4273	18	57.1589
p20200-34	20	0.173691	16	1.7026	19	60.0267
p20200-35	20	0.147103	15	1.5758	16	66.8809
p20200-36	19	0.195292	15	1.531	16	57.5386
p20200-37	17	0.190197	14	1.5506	18	65.9886
p20200-38	20	0.141098	15	1.6271	18	66.6571
p20200-39	19	0.141595	14	1.4828	16	56.2915
p20200-40	19	0.190235	15	1.5676	18	66.5554
p50200-31	14	0.409604	11	6.5499	11	48.0931
p50200-32	17	0.316985	22	4.6358	-	9.2703
p50200-33	16	0.199832	13	7.1612	13	71.7924
p50200-34	17	0.196552	16	4.7609	-	25.5017
p50200-35	13	0.199065	11	6.8561	12	42.4592
p50200-36	14	0.198131	11	7.021	12	60.2889
p50200-37	13	0.174834	10	6.6685	11	45.7091
p50200-38	13	0.199606	11	7.2831	12	63.1425
p50200-39	13	0.184242	10	6.3938	11	46.9593
p50200-40	15	0.200337	12	7.501	12	55.0113
p66200-31	12	0.218528	9	10.0389	10	52.7982
p66200-32	15	0.247458	31	6.9433	-	9.7256
p66200-33	13	0.374293	12	10.2911	11	67.8128
p66200-34	16	0.298917	21	7.1711	-	67.8416
p66200-35	13	0.198484	11	10.5177	11	65.1641
p66200-36	13	0.174742	11	11.4247	11	40.2299
p66200-37	13	0.389748	10	10.5015	10	58.0843
p66200-38	13	0.548382	12	10.0735	12	73.4515
p66200-39	11	0.202605	10	10.0603	10	46.8951
p66200-40	15	0.261006	12	11.0173	11	70.9095
p80200-31	13	0.262635	11	13.8158	11	55.3178
p80200-32	19	0.383318	-	8.4504	-	11.9814
p80200-33	13	0.352642	13	12.3825	11	107.3732
p80200-34	19	0.192159	-	8.734	-	11.9782
p80200-35	14	0.23699	13	11.4023	12	125.2437
p80200-36	14	0.225203	15	11.6061	-	403.8031
p80200-37	15	0.180078	13	14.1444	10	72.8727
p80200-38	13	0.18717	16	9.3359	-	18.8983
p80200-39	12	0.199493	11	17.402	10	42.662
p80200-40	16	0.256781	15	11.6404	-	94.2356
n300p30i1	26	0.663657	22	0.5647333333	-	-
n300p30i2	25	0.513504	22	0.3377	-	-
n300p30i3	28	0.312082	22	0.3327	-	-
n300p30i4	28	0.258524	24	0.3691666667	-	-
n300p30i5	28	0.304204	23	0.3431333333	-	-
n300p42i1	25	0.270378	19	1.049	-	-
n300p42i2	23	0.748278	20	0.7253	-	-
n300p42i3	23	0.356183	19	1.038	-	-
n300p42i4	22	0.37796	20	1.1161	-	-
n300p42i5	26	0.32451	24	1.2432	-	-
n300p75i1	19	0.577606	15	2.0598	-	-
n300p75i2	22	0.542582	22	2.4926	-	-
n300p75i3	20	1.13992	17	2.2952333333	-	-
n300p75i4	22	0.743546	21	2.4977	-	-

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	sol_value	CPU time(s)	sol_value	CPU time(s)	sol_value	CPU time(s)
n300p75i5	21	1.21432	22	2.2491333333	-	-
n300p100i1	17	0.580964	17	3.6794666667	-	-
n300p100i2	20	0.524115	20	3.7267	-	-
n300p100i3	24	0.419455	22	3.8566333333	-	-
n300p100i4	18	0.617175	15	3.6667666667	-	-
n300p100i5	19	0.555562	21	3.9668666667	-	-
n500p50i1	30	0.795412	22	1.067	-	-
n500p50i2	30	1.09719	25	1.6077	-	-
n500p50i3	27	1.84171	22	1.7051333333	-	-
n500p50i4	27	1.64187	21	1.0553	-	-
n500p50i5	27	1.05408	21	1.6034666667	-	-
n500p71i1	26	1.24095	20	1.8801	-	-
n500p71i2	25	1.94986	20	2.7223666667	-	-
n500p71i3	24	0.807938	19	1.7958333333	-	-
n500p71i4	26	1.07764	18	2.6452666667	-	-
n500p71i5	25	1.69851	20	2.3561666667	-	-
n500p125i1	21	1.63341	23	7.1107333333	-	-
n500p125i2	22	1.25801	19	6.5196666667	-	-
n500p125i3	22	1.32056	17	5.7999666667	-	-
n500p125i4	26	2.54818	49	4.0769666667	-	-
n500p125i5	22	1.20547	18	6.8517	-	-
n500p166i1	23	1.06208	34	8.5470333333	-	-
n500p166i2	22	1.65856	37	7.5263666667	-	-
n500p166i3	21	1.95199	32	7.8755666667	-	-
n500p166i4	26	0.890414	32	8.149	-	-
n500p166i5	24	1.19762	30	10.5378666667	-	-
n1000p100i1	32	2.81857	25	6.5319666667	-	-
n1000p100i2	32	5.58064	24	4.0738666667	-	-
n1000p100i3	33	2.82558	24	4.2469	-	-
n1000p100i4	32	3.88294	27	4.5512333333	-	-
n1000p100i5	31	3.50159	24	5.9139333333	-	-
n1000p142i1	29	5.35132	22	10.3417333333	-	-
n1000p142i2	28	4.18111	22	10.5150333333	-	-
n1000p142i3	28	5.97306	24	8.8639666667	-	-
n1000p142i4	29	4.02469	22	113.3190666667	-	-
n1000p142i5	29	6.5263	23	106.6118333333	-	-
n1000p250i1	26	7.63067	27	292.3714666667	-	-
n1000p250i2	25	7.92709	33	298.3681333333	-	-
n1000p250i3	31	4.81259	26	269.0981666667	-	-
n1000p250i4	27	7.92135	31	305.1564666667	-	-
n1000p250i5	28	5.11037	23	284.9223666667	-	-
n1000p333i1	27	10.7062	46	409.9989333333	-	-
n1000p333i2	25	6.66355	44	362.468	-	-
n1000p333i3	25	5.99918	41	450.2616	-	-
n1000p333i4	27	9.03099	88	246.9431666667	-	-
n1000p333i5	28	6.79337	49	287.2564	-	-
n2000p200i1	35	15.1173	27	179.1148	-	-
n2000p200i2	35	18.9533	26	216.9073	-	-
n2000p200i3	35	13.9663	25	216.109	-	-
n2000p200i4	37	17.9044	27	267.3765	-	-
n2000p200i5	33	17.6332	26	176.2377333333	-	-
n2000p285i1	30	29.3719	24	345.5758333333	-	-
n2000p285i2	33	27.6469	26	453.1434	-	-
n2000p285i3	33	22.9633	27	382.1535333333	-	-
n2000p285i4	35	17.7743	27	464.1936333333	-	-
n2000p285i5	31	38.4645	25	436.5981666667	-	-
n2000p500i1	27	30.3928	36	1185.4038	-	-
n2000p500i2	27	24.364	29	1097.3762333333	-	-

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n2000p500i3	28	31.7407	29	1147.2178333333	-	-
n2000p500i4	29	49.6601	28	1078.2230666667	-	-
n2000p500i5	30	25.7574	31	1140.3105	-	-
n2000p666i1	26	51.384	53	1912.7283	-	-
n2000p666i2	29	43.4525	75	1051.7141333333	-	-
n2000p666i3	25	42.7128	50	1975.6104333333	-	-
n2000p666i4	28	31.2085	55	1838.6914333333	-	-
n2000p666i5	27	29.4951	44	1805.7644333333	-	-
n3000p300i1	35	56.6502	26	466.3456	-	-
n3000p300i2	36	70.0879	27	544.0129	-	-
n3000p300i3	39	36.8653	28	385.5040333333	-	-
n3000p300i4	34	59.4035	28	389.8725333333	-	-
n3000p300i5	34	38.2536	27	560.4618	-	-
n3000p428i1	31	60.6249	25	981.7193666667	-	-
n3000p428i2	32	51.8594	26	939.3922666667	-	-
n3000p428i3	32	52.4795	27	924.165	-	-
n3000p428i4	32	43.2758	27	826.5337333333	-	-
n3000p428i5	31	62.634	28	924.6986333333	-	-
n3000p750i1	28	122.575	38	2528.2273	-	-
n3000p750i2	28	88.9829	37	227.7137333333	-	-
n3000p750i3	30	64.8183	37	221.8755666667	-	-
n3000p750i4	31	62.5744	41	251.3894333333	-	-
n3000p750i5	28	96.1924	35	224.8229333333	-	-
n3000p1000i1	29	114.129	46	4313.6773	-	-
n3000p1000i2	28	99.053	57	4267.7068666667	-	-
n3000p1000i3	33	75.6432	53	4437.1169666667	-	-
n3000p1000i4	30	94.1111	56	4536.4447666667	-	-
n3000p1000i5	28	120.962	43	4152.8872666667	-	-
G1	94	0.058604	95	0.3271	96	6.9973
G2	101	0.012387	94	0.3344	96	7.0867
G3	92	0.025692	87	0.6737	90	14.0157
G4	93	0.026427	89	0.7424	90	15.2108
G5	100	0.04859	97	0.8988	102	40.5454
G6	101	0.03462	98	0.8805	103	36.8479
G7	97	0.047244	94	1.1578	97	49.7797
G8	97	0.054272	94	1.0694	98	47.8819
SJC1	514	0.042154	384	0.5383	462	14.5903
SJC2	391	0.237729	309	1.0904	362	79.9041
SJC3a	390	0.195025	288	2.3136	382	234.1542
SJC3b	314	0.572267	262	2.6597	332	247.683
SJC4a	362	0.750129	296	3.3686	403	631.1406
SJC4b	305	0.560096	248	4.3567	323	505.1155
SJC1	468.158	0.030973	-	-	-	-
SJC2	438	0.090652	-	-	-	-
SJC3a	379.684	0.321547	-	-	-	-
SJC3b	379.684	0.213373	-	-	-	-
SJC4a	372.65	0.490598	-	-	-	-
SJC4b	310.981	0.632983	-	-	-	-
p3038_600	170	92.8954	145	192.35	487	1038.4601
p3038_700	154	103.542	154	246.38	294	941.0992
p3038_800	177	64.8978	153	326.45	274	2975.4794
p3038_900	181	66.7115	164	462.34	309	857.2622
p3038_1000	153	99.7687	181	524.59	234	3575.7571

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Results for the KIV instances with distances taking float-point values						
Instance	Our (Simple ILS)		Quevedo-Orozco (2015)		Scaparra (2004)	
	sol_value	CPU time(s)	sol_value	CPU time(s)	sol_value	CPU time(s)
n50p5i1	24.5153	0.017288	-	-	-	-
n50p5i2	24.1868	0.018573	-	-	-	-
n50p5i3	23.5372	0.008019	-	-	-	-
n50p5i4	29	0.013417	-	-	-	-
n50p5i5	24.6982	0.01695	-	-	-	-
n50p7i1	24.6982	0.009728	-	-	-	-
n50p7i2	20.5183	0.015965	-	-	-	-
n50p7i3	19.2094	0.014277	-	-	-	-
n50p7i4	24.4131	0.010367	-	-	-	-
n50p7i5	19.2094	0.018452	-	-	-	-
n50p12i1	13.9284	0.026306	-	-	-	-
n50p12i2	13.0384	0.026552	-	-	-	-
n50p12i3	14.4222	0.026421	-	-	-	-
n50p12i4	15.8114	0.03305	-	-	-	-
n50p12i5	15.8114	0.019231	-	-	-	-
n50p16i1	11.6619	0.034824	-	-	-	-
n50p16i2	13.4164	0.02267	-	-	-	-
n50p16i3	14.0357	0.019719	-	-	-	-
n50p16i4	15.2315	0.018038	-	-	-	-
n50p16i5	13.6015	0.025267	-	-	-	-
n100p10i1	22.8035	0.042617	-	-	-	-
n100p10i2	27.0185	0.03852	-	-	-	-
n100p10i3	24.7588	0.047452	-	-	-	-
n100p10i4	25.2982	0.065322	-	-	-	-
n100p10i5	27.074	0.041608	-	-	-	-
n100p14i1	19.7231	0.108877	-	-	-	-
n100p14i2	19.4165	0.107339	-	-	-	-
n100p14i3	21.3776	0.04406	-	-	-	-
n100p14i4	20.8806	0.053967	-	-	-	-
n100p14i5	18.3848	0.058824	-	-	-	-
n100p25i1	18.0278	0.064804	-	-	-	-
n100p25i2	15.2971	0.086336	-	-	-	-
n100p25i3	19.4165	0.064551	-	-	-	-
n100p25i4	17.6918	0.075205	-	-	-	-
n100p25i5	20.8806	0.045109	-	-	-	-
n100p33i1	14.3178	0.072061	-	-	-	-
n100p33i2	20.1246	0.078628	-	-	-	-
n100p33i3	18.1108	0.096003	-	-	-	-
n100p33i4	18.2483	0.07497	-	-	-	-
n100p33i5	15.6525	0.0798	-	-	-	-
n150p15i1	24.0416	0.15816	-	-	-	-
n150p15i2	21.5407	0.265689	-	-	-	-
n150p15i3	24.5967	0.14535	-	-	-	-
n150p15i4	28.0179	0.084151	-	-	-	-
n150p15i5	23.0868	0.10754	-	-	-	-
n150p21i1	19.9249	0.146122	-	-	-	-
n150p21i2	28.4429	0.081438	-	-	-	-
n150p21i3	22.2036	0.131544	-	-	-	-
n150p21i4	23.3238	0.077814	-	-	-	-
n150p21i5	22.2036	0.213051	-	-	-	-

Results for the KIV instances with distances taking float-point values						
Instance	Our (Simple ILS)		Quevedo-Orozco (2015)		Scaparra (2004)	
	sol_value	CPU time(s)	sol_value	CPU time(s)	sol_value	CPU time(s)
n150p37i1	16.1245	0.148587	-	-	-	-
n150p37i2	16.1245	0.29531	-	-	-	-
n150p37i3	19.4165	0.134643	-	-	-	-
n150p37i4	17.8045	0.151674	-	-	-	-
n150p37i5	20.0998	0.179927	-	-	-	-
n150p50i1	16.4012	0.162518	-	-	-	-
n150p50i2	17	0.097612	-	-	-	-
n150p50i3	15.2643	0.166047	-	-	-	-
n150p50i4	14.3178	0.242067	-	-	-	-
n150p50i5	18.9737	0.40163	-	-	-	-
n200p20i1	25.5539	0.174761	-	-	-	-
n200p20i2	28.6356	0.100158	-	-	-	-
n200p20i3	25.5539	0.257543	-	-	-	-
n200p20i4	32.0624	0.135637	-	-	-	-
n200p20i5	25.5539	0.29795	-	-	-	-
n200p28i1	20.1246	0.331912	-	-	-	-
n200p28i2	23.0217	0.212325	-	-	-	-
n200p28i3	21.2132	0.288325	-	-	-	-
n200p28i4	20.0998	0.378732	-	-	-	-
n200p28i5	25	0.121068	-	-	-	-
n200p50i1	16.7631	0.418514	-	-	-	-
n200p50i2	18.1108	0.25787	-	-	-	-
n200p50i3	16.2788	0.185751	-	-	-	-
n200p50i4	20.2485	0.202319	-	-	-	-
n200p50i5	17.088	0.394816	-	-	-	-
n200p66i1	21.9317	0.1927	-	-	-	-
n200p66i2	18.3848	0.230298	-	-	-	-
n200p66i3	17.0294	0.200044	-	-	-	-
n200p66i4	15.6525	0.434905	-	-	-	-
n200p66i5	17.4642	0.214626	-	-	-	-
n300p30i1	25	0.275463	-	-	-	-
n300p30i2	27.8927	0.312188	-	-	-	-
n300p30i3	26.0192	0.378879	-	-	-	-
n300p30i4	25.6125	0.61726	-	-	-	-
n300p30i5	24.7386	0.577309	-	-	-	-
n300p42i1	22.6716	0.489835	-	-	-	-
n300p42i2	22.8254	0.36955	-	-	-	-
n300p42i3	22.0227	0.553915	-	-	-	-
n300p42i4	22.3607	1.32905	-	-	-	-
n300p42i5	26.9258	0.29708	-	-	-	-
n300p75i1	19.2354	0.557083	-	-	-	-
n300p75i2	19.0263	1.50332	-	-	-	-
n300p75i3	20.8806	0.326849	-	-	-	-
n300p75i4	20.2237	0.829555	-	-	-	-
n300p75i5	18.1108	1.01342	-	-	-	-
n300p100i1	17	0.748271	-	-	-	-
n300p100i2	19.105	0.463663	-	-	-	-
n300p100i3	18.868	0.603927	-	-	-	-
n300p100i4	16.2788	0.617224	-	-	-	-
n300p100i5	17.2047	0.473745	-	-	-	-

Results for the KIV instances with distances taking float-point values						
Instance	Our (Simple ILS)		Quevedo-Orozco (2015)		Scaparra (2004)	
	sol_value	CPU time(s)	sol_value	CPU time(s)	sol_value	CPU time(s)
n500p50i1	27.5136	0.915466	-	-	-	-
n500p50i2	29.2746	0.796374	-	-	-	-
n500p50i3	27.1662	1.33396	-	-	-	-
n500p50i4	26.2488	0.93469	-	-	-	-
n500p50i5	26.0192	1.54557	-	-	-	-
n500p71i1	21.8403	1.75724	-	-	-	-
n500p71i2	24.8395	0.787198	-	-	-	-
n500p71i3	22.8254	1.14385	-	-	-	-
n500p71i4	24.1868	0.756727	-	-	-	-
n500p71i5	25.0799	1.40638	-	-	-	-
n500p125i1	20.5183	2.61347	-	-	-	-
n500p125i2	19.6469	1.9827	-	-	-	-
n500p125i3	20.2485	1.04847	-	-	-	-
n500p125i4	22.1359	3.87358	-	-	-	-
n500p125i5	21.0238	1.54022	-	-	-	-
n500p166i1	20.1246	4.34101	-	-	-	-
n500p166i2	21.0238	2.06971	-	-	-	-
n500p166i3	19.2354	3.21221	-	-	-	-
n500p166i4	26.1725	1.22212	-	-	-	-
n500p166i5	21.095	1.74461	-	-	-	-
n1000p100i1	29.0689	6.7183	-	-	-	-
n1000p100i2	32.249	6.81085	-	-	-	-
n1000p100i3	29.1548	10.6289	-	-	-	-
n1000p100i4	29.2062	9.64622	-	-	-	-
n1000p100i5	29.7321	4.9448	-	-	-	-
n1000p142i1	27.8029	5.01119	-	-	-	-
n1000p142i2	25.2982	14.3806	-	-	-	-
n1000p142i3	25.9615	8.31848	-	-	-	-
n1000p142i4	26.0768	8.49739	-	-	-	-
n1000p142i5	36.0555	3.43066	-	-	-	-
n1000p250i1	22.3607	13.4732	-	-	-	-
n1000p250i2	23.7065	7.39761	-	-	-	-
n1000p250i3	26	5.34879	-	-	-	-
n1000p250i4	22.2036	17.4658	-	-	-	-
n1000p250i5	22.8035	8.76236	-	-	-	-
n1000p333i1	24.0208	7.30553	-	-	-	-
n1000p333i2	24.4131	6.13316	-	-	-	-
n1000p333i3	21.2603	21.5973	-	-	-	-
n1000p333i4	24.7386	9.60628	-	-	-	-
n1000p333i5	23	15.3271	-	-	-	-
n2000p200i1	32.249	25.0145	-	-	-	-
n2000p200i2	30.8869	24.4525	-	-	-	-
n2000p200i3	29.1204	44.8357	-	-	-	-
n2000p200i4	32.0156	39.6998	-	-	-	-
n2000p200i5	32.6497	22.4651	-	-	-	-
n2000p285i1	30.0832	18.4517	-	-	-	-
n2000p285i2	32.0156	19.6791	-	-	-	-
n2000p285i3	27.2947	60.7576	-	-	-	-
n2000p285i4	29.1204	50.2007	-	-	-	-
n2000p285i5	30.2655	24.0352	-	-	-	-

Results for the KIV instances with distances taking float-point values						
Instance	Our (Simple ILS)		Quevedo-Orozco (2015)		Scaparra (2004)	
	sol_value	CPU time(s)	sol_value	CPU time(s)	sol_value	CPU time(s)
n2000p500i1	26.0192	41.6365	-	-	-	-
n2000p500i2	23.2594	56.8391	-	-	-	-
n2000p500i3	25.318	26.5423	-	-	-	-
n2000p500i4	24.5967	62.4751	-	-	-	-
n2000p500i5	23.7065	66.5891	-	-	-	-
n2000p666i1	23.3452	69.3061	-	-	-	-
n2000p666i2	25.6125	52.1285	-	-	-	-
n2000p666i3	23.0217	78.5618	-	-	-	-
n2000p666i4	25	55.2153	-	-	-	-
n2000p666i5	26.0192	37.297	-	-	-	-
n3000p300i1	31.0483	91.9698	-	-	-	-
n3000p300i2	32.6497	51.8941	-	-	-	-
n3000p300i3	31.9061	57.261	-	-	-	-
n3000p300i4	31.257	114.443	-	-	-	-
n3000p300i5	30.5941	150.195	-	-	-	-
n3000p428i1	29.1548	107.947	-	-	-	-
n3000p428i2	28.3196	97.7724	-	-	-	-
n3000p428i3	28.0179	146.851	-	-	-	-
n3000p428i4	28.0179	139.048	-	-	-	-
n3000p428i5	29.8329	85.7108	-	-	-	-
n3000p750i1	25.318	152.493	-	-	-	-
n3000p750i2	26.9258	164.732	-	-	-	-
n3000p750i3	26.2488	162.56	-	-	-	-
n3000p750i4	27.2029	151.622	-	-	-	-
n3000p750i5	24.7386	192.606	-	-	-	-
n3000p1000i1	24.1868	221.781	-	-	-	-
n3000p1000i2	25.9422	160.667	-	-	-	-
n3000p1000i3	25.9615	144.786	-	-	-	-
n3000p1000i4	25.4951	98.8416	-	-	-	-
n3000p1000i5	25.1794	157.239	-	-	-	-