Instance	Method	BKS	#runs	run1	run2	run3	run4	run5	s*	s	t*	t
/TSP/berlin52.tsp	CGRASP	7542	5	7542	7542	7542	7542	7542	7542	7542	0.151	0.151
/TSP/st70.tsp	CGRASP	675	5	675	675	675	675	675	675	675	4.582	4.582
/TSP/eil76.tsp	CGRASP	538	5	538	538	538	538	539	538	538.2	35.585	41.941
/TSP/pr76.tsp	CGRASP	108159	5	108159	108159	108159	108159	108159	108159	108159	2.032	2.032
/TSP/kroA100.tsp	CGRASP	21282	5	21282	21282	21282	21282	21282	21282	21282	6.93	6.93
/TSP/pr124.tsp	CGRASP	59030	5	59030	59030	59030	59030	59030	59030	59030	9.757	9.757
/TSP/pr136.tsp	CGRASP	96772	5	97225	97109	97106	97310	97781	97106	97306.2	76.062	136.11
/TSP/pr152.tsp	CGRASP	73682	5	73682	73682	73682	73818	73682	73682	73709.2	69.369	94.619
/TSP/u159.tsp	CGRASP	42080	5	42080	42080	42080	42080	42080	42080	42080	26.611	26.611
/TSP/d198.tsp	CGRASP	15780	5	15847	15865	15884	15867	15891	15847	15870.8	95.919	198.375
/TSP/ts225.tsp	CGRASP	126643	5	126643	126643	126643	126643	126643	126643	126643	15.2	15.2
/TSP/pr226.tsp	CGRASP	80369	5	80483	80526	80561	80594	80571	80483	80547	147.484	226.12
/TSP/gil262.tsp	CGRASP	2378	5	2443	2424	2431	2432	2432	2424	2432.4	162.391	262.139
/TSP/pr264.tsp	CGRASP	49135	5	49654	49951	49921	50153	49563	49563	49848.4	99.914	264.323
/TSP/lin318.tsp	CGRASP	42029	5	42793	42921	43124	42950	42954	42793	42948.4	123.394	318.774
/TSP/rd400.tsp	CGRASP	15281	5	15813	15735	15787	15656	15714	15656	15741	211.5	401.832
/TSP/fl417.tsp	CGRASP	11861	5	11962	11958	11940	11931	11952	11931	11948.6	155.317	417.328
/TSP/pr439.tsp	CGRASP	107217	5	110174	110801	110039	110316	110266	110039	110319.2	193.073	440.214
/TSP/d493.tsp	CGRASP	35002	5	36175	36248	36236	36116	36174	36116	36189.8	263.068	494.495
/TSP/rat575.tsp	CGRASP	6773	5	7082	7114	7096	7079	7065	7065	7087.2	268.452	578.004
Instance	Method	BKS	#runs	run1	run2	run3	run4	run5	s*	s	t*	t
/THLP/CAB20_3_02.txt	CGRASP	4170.1	5	4170.1	4170.1	4170.1	4170.1	4170.1	4170.1	4170.1	0.233	0.233
/THLP/CAB20_3_05.txt	CGRASP	5234.9	5	5234.9	5234.9	5234.9	5234.9	5234.9	5234.9	5234.9	0.234	0.234
/THLP/CAB20_3_08.txt	CGRASP	6279.4	5	6279.4	6279.4	6279.4	6279.4	6279.4	6279.4	6279.4	1.645	1.645
/THLP/CAB20_5_02.txt	CGRASP	2808.7	5	2808.7	2808.7	2808.7	2808.7	2808.7	2808.7	2808.7	0.321	0.321
/THLP/CAB20_5_05.txt	CGRASP	4384.3	5	4384.3	4384.3	4384.3	4384.3	4384.3	4384.3	4384.3	0.396	0.396
/THLP/CAB20_5_08.txt	CGRASP	5663.5	5	5663.5	5663.5	5663.5	5663.5	5663.5	5663.5	5663.5	1.033	1.033
/THLP/CAB20_8_02.txt	CGRASP	2057	5	2057.0	2057.0	2057.0	2057.0	2057.0	2057.0	2057.0	1.773	1.773
/THLP/CAB20_8_05.txt	CGRASP	3700.2	5	3700.2	3700.2	3700.2	3700.2	3700.2	3700.2	3700.2	4.24	4.24
/THLP/CAB20_8_08.txt	CGRASP	5283.1	5	5283.1	5269.3	5269.3	5283.1	5291.6	5269.3	5279.3	9.458	20.021
/THLP/CAB25_3_02.txt	CGRASP	6554.6	5	6554.6	6554.6	6554.6	6554.6	6554.6	6554.6	6554.6	0.129	0.129
/THLP/CAB25_3_05.txt	CGRASP	8274	5	8274.0	8274.0	8274.0	8274.0	8274.0	8274.0	8274.0	0.026	0.026
/THLP/CAB25_3_08.txt	CGRASP	9923.9	5	9923.9	9923.9	9923.9	9923.9	9923.9	9923.9	9923.9	0.565	0.565
/THLP/CAB25_5_02.txt	CGRASP	4791.1	5	4791.1	4791.1	4791.1	4791.1	4791.1	4791.1	4791.1	0.612	0.612

Instance	Method	BKS	#runs	run1	run2	run3	run4	run5	s*	s	t*	t
/THLP/CAB25_5_05.txt	CGRASP	7190.7	5	7190.7	7190.7	7190.7	7190.7	7190.7	7190.7	7190.7	2.118	2.118
/THLP/CAB25_5_08.txt	CGRASP	9173.4	5	9173.3	9173.3	9173.3	9173.3	9173.3	9173.3	9173.3	1.681	1.681
/THLP/CAB25_8_02.txt	CGRASP	3752.9	5	3752.9	3799.6	3797.0	3785.4	3752.9	3752.9	3777.6	9.138	18.394
/THLP/CAB25_8_05.txt	CGRASP	6272.9	5	6267.5	6264.1	6264.1	6281.2	6281.2	6264.1	6271.6	9.407	25.015
/THLP/CAB25_8_08.txt	CGRASP	8755	5	8683.0	8674.7	8702.5	8683.0	8683.0	8674.7	8685.2	12.295	25.026
/THLP/AP20_3_02.txt	CGRASP	58761.2	5	58761.2	58761.2	58761.2	58761.2	58761.2	58761.2	58761.2	0.244	0.244
/THLP/AP20_3_05.txt	CGRASP	69515.9	5	69516.0	69516.0	69516.0	69516.0	69516.0	69516.0	69516.0	0.48	0.48
/THLP/AP20_3_08.txt	CGRASP	78177.6	5	78177.6	78177.6	78177.6	78177.6	78177.6	78177.6	78177.6	0.808	0.808
/THLP/AP20_5_02.txt	CGRASP	46480.4	5	46480.4	46480.4	46480.4	46480.4	46480.4	46480.4	46480.4	7.754	7.754
/THLP/AP20_5_05.txt	CGRASP	61061.4	5	61061.4	61061.4	61141.2	61061.4	61061.4	61061.4	61077.4	4.563	8.304
/THLP/AP20_5_08.txt	CGRASP	73592.9	5	73593.0	73593.0	73593.0	73593.0	73593.0	73593.0	73593.0	2.061	2.061
/THLP/AP20_8_02.txt	CGRASP	35421	5	35297.0	35297.0	35297.0	35297.0	35297.0	35297.0	35297.0	3.168	3.168
/THLP/AP20_8_05.txt	CGRASP	52294.3	5	52294.3	52294.3	52294.3	52294.3	52294.3	52294.3	52294.3	7.662	7.662
/THLP/AP20_8_08.txt	CGRASP	68272.7	5	68272.8	68272.8	68272.8	68318.8	68272.8	68272.8	68282.0	10.949	11.103
/THLP/AP25_3_02.txt	CGRASP	60602.3	5	60602.3	60602.3	60602.3	60602.3	60602.3	60602.3	60602.3	1.053	1.053
/THLP/AP25_3_05.txt	CGRASP	70130.9	5	70130.9	70130.9	70130.9	70130.9	70130.9	70130.9	70130.9	0.731	0.731
/THLP/AP25_3_08.txt	CGRASP	79442.4	5	79442.5	79442.5	79442.5	79442.5	79442.5	79442.5	79442.5	1.227	1.227
/THLP/AP25_5_02.txt	CGRASP	47432.7	5	47432.7	47432.7	47432.7	47432.7	47432.7	47432.7	47432.7	1.442	1.442
/THLP/AP25_5_05.txt	CGRASP	61046.7	5	61046.7	61046.7	61046.7	61046.7	61046.7	61046.7	61046.7	1.308	1.308
/THLP/AP25_5_08.txt	CGRASP	73569.9	5	73569.9	73569.9	73569.9	73569.9	73569.9	73569.9	73569.9	13.232	13.232
/THLP/AP25_8_02.txt	CGRASP	37295.6	5	37593.5	37830.2	37313.9	37313.9	37295.7	37295.7	37469.4	10.752	22.02
/THLP/AP25_8_05.txt	CGRASP	54043.7	5	54089.0	54089.0	54318.8	54089.0	54205.0	54089.0	54158.2	10.519	25.028
/THLP/AP25_8_08.txt	CGRASP	69890.6	5	69429.8	69458.4	69431.1	69431.1	69704.6	69429.8	69491.0	13.052	25.023
Instance	Method	BKS	#runs	run1	run2	run3	run4	run5	s*	s	t*	t
/STCP/data.81	CGRASP	61	5	61	61	61	61	61	61	61	0.149	0.149
/STCP/data.135	CGRASP	103	5	104	104	104	104	104	104	104	11.625	135.077
/STCP/data.243	CGRASP	198	5	198	198	198	202	202	198	199.6	82.537	125.157
/STCP/data.405	CGRASP	335	5	344	344	345	344	344	344	344.2	83.036	408.568
/STCP/data.729	CGRASP	617	5	649	648	649	650	648	648	648.8	439.051	764.507
Instance	Method	BKS	#runs	run1	run2	run3	run4	run5	s*	s	t*	t
/HMP/20_5_270001	CGRASP	540	5	540	540	540	540	540	540	540	0.076	0.076
/HMP/20_5_270002	CGRASP	54	5	54	54	54	54	54	54	54	0.026	0.026
/HMP/20_5_270003	CGRASP	816	5	816	816	816	816	816	816	816	0.028	0.028
/HMP/20_5_270004	CGRASP	126	5	126	126	126	126	126	126	126	0.028	0.028
/HMP/20_5_270005	CGRASP	372	5	372	372	372	372	372	372	372	0.01	0.01

Instance	Method	BKS	#runs	run1	run2	run3	run4	run5	s*	s	t*	t
/HMP/40_15_270001	CGRASP	8646	5	8646	8646	8646	8646	8646	8646	8646	1.36	1.36
/HMP/40_15_270002	CGRASP	4586	5	4586	4586	4586	4586	4586	4586	4586	0.815	0.815
/HMP/40_15_270003	CGRASP	5396	5	5396	5396	5396	5396	5396	5396	5396	1.777	1.777
/HMP/40_15_270004	CGRASP	4800	5	4800	4800	4800	4800	4800	4800	4800	0.112	0.112
/HMP/40_15_270005	CGRASP	6272	5	6272	6272	6272	6272	6272	6272	6272	0.118	0.118
/HMP/100_25_270001	CGRASP	36412	5	36692	36714	36712	36880	36680	36680	36735.6	48.854	100.059
/HMP/100_25_270002	CGRASP	38608	5	38692	38872	38758	38608	38796	38608	38745.2	67.375	98.026
/HMP/100_25_270003	CGRASP	32686	5	32758	32758	32766	32708	32864	32708	32770.8	21.025	100.106
/HMP/100_25_270004	CGRASP	35322	5	35512	35588	35322	35522	35666	35322	35522	73.004	94.368
/HMP/100_25_270005	CGRASP	36878	5	36774	36690	36798	36902	36690	36690	36770.8	46.021	65.014
/HMP/200_50_270001	CGRASP	221550	5	219428	221352	221494	220980	221432	219428	220937.2	38.534	38.534
/HMP/200_50_270002	CGRASP	218254	5	217104	218430	217490	218096	218244	217104	217872.8	52.129	84.518
/HMP/200_50_270003	CGRASP	221110	5	220928	220072	220892	220446	220920	220072	220651.6	8.69	8.69
/HMP/200_50_270004	CGRASP	212044	5	211544	211014	211796	211638	211924	211014	211583.2	12.692	12.693
/HMP/200_50_270005	CGRASP	231890	5	235572	234508	234870	235234	233142	233142	234665.2	39.033	200.702
Instance	Method	BKS	#runs	run1	run2	run3	run4	run5	s*	s	t*	t
/MTSP/Crama/s1n001.txt	CGRASP	7	5	7	7	7	7	7	7	7	0.076	0.076
/MTSP/Crama/s1n002.txt	CGRASP	12	5	12	12	12	12	12	12	12	0.009	0.009
/MTSP/Crama/s1n003.txt	CGRASP	10	5	10	10	10	10	10	10	10	0.055	0.055
/MTSP/Crama/s1n004.txt	CGRASP	9	5	9	9	9	9	9	9	9	0.023	0.023
/MTSP/Crama/s1n005.txt	CGRASP	8	5	8	8	8	8	8	8	8	0.135	0.135
/MTSP/Crama/s1n006.txt	CGRASP	9	5	9	9	9	9	9	9	9	0.012	0.012
/MTSP/Crama/s1n007.txt	CGRASP	8	5	8	8	8	8	8	8	8	0.044	0.044
/MTSP/Crama/s1n008.txt	CGRASP	11	5	11	11	11	11	11	11	11	0.043	0.043
/MTSP/Crama/s1n009.txt	CGRASP	8	5	8	8	8	8	8	8	8	0.016	0.016
/MTSP/Crama/s1n010.txt	CGRASP	9	5	9	9	9	9	9	9	9	0.011	0.011
/MTSP/Crama/s2n001.txt	CGRASP	22	5	22	22	22	22	22	22	22	0.108	0.108
/MTSP/Crama/s2n002.txt	CGRASP	19	5	19	19	19	19	19	19	19	0.255	0.255
/MTSP/Crama/s2n003.txt	CGRASP	22	5	22	22	22	22	22	22	22	0.261	0.261
/MTSP/Crama/s2n004.txt	CGRASP	22	5	22	22	22	22	22	22	22	0.287	0.287
/MTSP/Crama/s2n005.txt	CGRASP	20	5	20	20	20	20	20	20	20	0.222	0.222
/MTSP/Crama/s2n006.txt	CGRASP	24	5	24	24	24	24	24	24	24	0.105	0.105
/MTSP/Crama/s2n007.txt	CGRASP	19	5	19	20	19	19	19	19	19.2	6.768	10.743
/MTSP/Crama/s2n008.txt	CGRASP	24	5	24	24	24	24	24	24	24	0.388	0.388
/MTSP/Crama/s2n009.txt	CGRASP	16	5	16	16	16	16	16	16	16	0.083	0.083

/MTSP/Crama/s2n010.txt	CGRASP	18	5	18	18	18	18	18	18	18	0.123	0.123
/MTSP/Crama/s3n001.txt	CGRASP	99	5	100	100	100	100	101	100	100.2	9.686	30.009
/MTSP/Crama/s3n002.txt	CGRASP	91	5	92	92	91	94	93	91	92.4	8.024	30.009
/MTSP/Crama/s3n003.txt	CGRASP	79	5	82	82	81	80	82	80	81.4	12.578	30.009
/MTSP/Crama/s3n004.txt	CGRASP	96	5	98	101	100	99	100	98	99.6	16.129	30.007
/MTSP/Crama/s3n005.txt	CGRASP	101	5	105	104	102	104	103	102	103.6	11.023	30.004
/MTSP/Crama/s3n006.txt	CGRASP	82	5	84	83	85	84	84	83	84	12.873	30.005
/MTSP/Crama/s3n007.txt	CGRASP	95	5	98	98	96	98	99	96	97.8	8.236	30.008
/MTSP/Crama/s3n008.txt	CGRASP	114	5	118	118	118	117	117	117	117.6	13.309	30.012
/MTSP/Crama/s3n009.txt	CGRASP	83	5	86	86	88	87	85	85	86.4	12.54	30.01
/MTSP/Crama/s3n010.txt	CGRASP	87	5	90	89	88	90	90	88	89.4	11.012	30.008
/MTSP/Crama/s4n001.txt	CGRASP	182	5	188	188	189	190	186	186	188.2	7.567	40.014
/MTSP/Crama/s4n002.txt	CGRASP	194	5	201	197	201	197	199	197	199	20.452	40.032
/MTSP/Crama/s4n003.txt	CGRASP	178	5	187	185	186	185	184	184	185.4	13.689	40.019
/MTSP/Crama/s4n004.txt	CGRASP	184	5	193	193	190	194	192	190	192.4	17.005	40.031
/MTSP/Crama/s4n005.txt	CGRASP	185	5	189	192	192	192	194	189	191.8	11.225	40.024
/MTSP/Crama/s4n006.txt	CGRASP	187	5	195	191	194	193	191	191	192.8	11.269	40.015
/MTSP/Crama/s4n007.txt	CGRASP	192	5	201	197	200	198	199	197	199	18.174	40.021
/MTSP/Crama/s4n008.txt	CGRASP	196	5	203	205	204	203	200	200	203	21.885	40.033
/MTSP/Crama/s4n009.txt	CGRASP	166	5	173	172	170	174	172	170	172.2	14.262	40.027
/MTSP/Crama/s4n010.txt	CGRASP	163	5	170	166	168	168	167	166	167.8	18.201	40.032