## E Detailed Results of Computational Experiments

Table 10: (Set A, uniform) Results of ICP and NICP for Agatz et al. (2018) uniform instances. Comparison (%) represents the relative difference of NICP compared to ICP. Times are in seconds.

		$_{}$ DPS <sub>25</sub>		HGA-TAC <sup>+</sup>		ICI	P	Gap Ov	ver (%)	NIC	P	Gap Over (%)		Comparison (%)			
	N	Obj	Time	Best	Mean	Worst	Time	Obj	Time	DPS	HGA	Obj	Time	DPS	HGA	Obj	Time
	50	498.18	0.09	490.72	496.29	500.56	4.46	494.46	0.12	-0.75	-0.37	494.60	0.12	-0.72	-0.34	0.03	3.50
	75	574.21	0.14	570.60	574.61	576.95	7.51	573.72	0.20	-0.09	-0.16	573.92	0.20	-0.05	-0.12	0.04	1.72
	100	655.94	0.18	651.49	655.83	659.26	11.75	649.31	0.28	-1.01	-0.99	650.99	0.26	-0.75	-0.74	0.26	-5.65
$\alpha = 1$	175	841.40	1.11	837.70	841.08	844.15	22.68	830.11	2.13	-1.34	-1.31	831.32	1.53	-1.20	-1.16	0.15	-28.38
	250	997.01	1.46	993.19	997.10	999.89	46.83	984.38	1.46	-1.27	-1.28	985.70	1.40	-1.13	-1.14	0.13	-4.07
	375	1194.42	4.30	1194.07	1197.97	1201.13	80.53	1180.41	4.84	-1.17	-1.47	1180.47	4.82	-1.17	-1.46	0.01	-0.39
	500	1372.16	7.61	1373.86	1377.34	1380.49	135.97	1354.84	8.22	-1.26	-1.63	1355.42	8.39	-1.22	-1.59	0.04	2.14
	Avg.	911.21	2.21	908.21	912.27	915.39	47.34	901.09	2.53	-1.11	-1.23	901.86	2.46	-1.03	-1.14	0.09	-2.63
	50	420.55	0.19	405.41	411.37	418.96	3.81	409.26	0.60	-2.69	-0.51	409.21	0.35	-2.70	-0.53	-0.01	-41.20
	75	482.77	0.25	470.73	479.39	489.43	6.87	473.57	0.90	-1.91	-1.21	473.60	0.52	-1.90	-1.21	0.01	-41.97
	100	559.33	0.32	548.43	557.26	567.80	10.74	539.33	1.36	-3.58	-3.22	540.97	0.76	-3.28	-2.92	0.30	-44.01
$\alpha = 2$	175	712.08	1.85	703.03	712.52	721.59	32.15	693.49	3.19	-2.61	-2.67	693.65	2.66	-2.59	-2.65	0.02	-16.61
	250	843.48	1.65	841.84	850.82	859.48	57.17	815.81	4.32	-3.28	-4.11	816.50	3.01	-3.20	-4.03	0.08	-30.39
	375	1015.21	4.50	1021.42	1033.42	1047.58	126.95	985.48	9.58	-2.93	-4.64	985.86	5.93	-2.89	-4.60	0.04	-38.11
	500	1163.93	9.85	1171.22	1184.00	1199.13	212.27	1124.45	14.23	-3.39	-5.03	1126.30	11.62	-3.23	-4.87	0.16	-18.31
	Avg.	774.98	2.73	771.13	780.78	791.53	68.82	751.44	5.20	-3.04	-3.76	752.11	3.72	-2.95	-3.67	0.09	-28.45
	50	393.03	0.21	366.83	376.26	386.33	3.62	369.34	1.04	-6.03	-1.84	369.59	0.59	-5.96	-1.77	0.07	-43.07
	75	454.40	0.28	428.44	440.67	455.01	7.10	429.81	1.78	-5.41	-2.46	430.80	0.95	-5.19	-2.24	0.23	-46.59
	100	529.67	0.42	505.52	515.81	525.71	11.26	498.73	2.20	-5.84	-3.31	499.85	1.30	-5.63	-3.09	0.23	-40.83
$\alpha = 3$	175	670.31	1.76	645.08	658.70	674.24	33.57	638.14	4.87	-4.80	-3.12	639.64	3.38	-4.58	-2.89	0.23	-30.63
	250	796.18	1.79	776.97	790.88	805.76	67.62	754.92	6.87	-5.18	-4.55	755.56	4.42	-5.10	-4.47	0.08	-35.70
	375	953.60	5.19	948.41	962.80	983.02	167.34	906.71	13.23	-4.92	-5.83	910.35	8.50	-4.53	-5.45	0.40	-35.78
	500	1096.91	9.55	1094.26	1108.14	1124.03	288.53	1037.74	20.04	-5.39	-6.35	1040.83	15.40	-5.11	-6.07	0.30	-23.16
	Avg.	722.82	2.74	704.98	717.77	732.51	84.95	684.88	7.40	-5.25	-4.58	686.47	5.04	-5.03	-4.36	0.23	-31.90

Table 11: (Set A, 1-center) Results of ICP and NICP for Agatz et al. (2018) 1-center instances. Comparison (%) represents the relative difference of NICP compared to ICP. Times are in seconds.

		$\underline{\qquad \qquad \mathrm{DPS}_{25}}$		HGA-TAC <sup>+</sup>			ICP		Gap Ov	ver (%)	NICP		Gap Over (%)		Comparison $(\%)$		
	N	Obj	Time	Best	Mean	Worst	Time	Obj	Time	DPS	HGA	Obj	Time	DPS	HGA	Obj	Time
	50	657.79	0.10	648.81	652.53	656.22	6.21	654.15	0.10	-0.55	0.25	654.07	0.11	-0.57	0.24	-0.01	2.07
	75	891.08	0.27	876.22	880.99	884.84	9.74	880.43	0.25	-1.20	-0.06	880.55	0.25	-1.18	-0.05	0.01	-0.87
	100	1065.96	0.23	1050.95	1057.91	1063.56	14.82	1059.37	0.25	-0.62	0.14	1058.69	0.23	-0.68	0.07	-0.06	-7.02
$\alpha = 1$	175	1420.90	0.94	1412.94	1417.87	1425.89	26.38	1405.92	0.70	-1.05	-0.84	1406.74	0.69	-1.00	-0.78	0.06	-1.27
	250	1669.73	1.00	1646.38	1650.70	1655.12	51.80	1635.21	1.54	-2.07	-0.94	1635.60	1.46	-2.04	-0.91	0.02	-5.51
	375	2065.11	3.31	2050.65	2055.27	2059.91	81.45	2024.04	2.86	-1.99	-1.52	2026.78	3.68	-1.86	-1.39	0.14	28.54
	500	2416.56	5.09	2419.75	2426.39	2434.00	118.36	2383.17	5.95	-1.38	-1.78	2384.52	6.78	-1.33	-1.73	0.06	13.94
	Avg.	1509.87	1.58	1496.71	1501.72	1506.98	46.80	1486.56	1.71	-1.54	-1.01	1487.29	1.92	-1.50	-0.96	0.05	12.38
	50	521.28	0.17	498.29	514.02	527.04	3.88	507.24	0.41	-2.69	-1.32	510.26	0.28	-2.12	-0.73	0.59	-30.70
	75	715.92	0.31	691.83	707.94	725.97	7.75	686.93	0.94	-4.05	-2.97	687.35	0.62	-3.99	-2.91	0.06	-33.80
	100	858.86	0.37	844.77	863.00	881.65	11.78	825.78	1.40	-3.85	-4.31	825.49	1.00	-3.88	-4.35	-0.03	-28.26
$\alpha = 2$	175	1153.42	0.87	1153.79	1170.88	1187.33	29.81	1114.55	2.75	-3.37	-4.81	1119.62	1.75	-2.93	-4.38	0.45	-36.55
	250	1365.37	1.31	1357.97	1380.45	1404.67	55.35	1314.69	3.81	-3.71	-4.76	1315.25	2.62	-3.67	-4.72	0.04	-31.34
	375	1704.30	3.71	1709.46	1729.58	1755.16	121.40	1645.26	7.30	-3.46	-4.88	1647.84	5.79	-3.31	-4.73	0.16	-20.63
	500	2002.71	5.70	2028.46	2057.92	2101.49	202.62	1930.43	12.46	-3.61	-6.20	1928.57	9.27	-3.70	-6.29	-0.10	-25.60
	Avg.	1234.40	1.82	1229.33	1249.53	1272.62	63.87	1190.20	4.26	-3.58	-4.75	1191.52	3.13	-3.47	-4.64	0.11	-26.63
	50	470.82	0.21	432.16	446.90	465.93	3.93	444.96	0.79	-5.49	-0.44	443.74	0.47	-5.75	-0.71	-0.27	-40.68
	75	646.71	0.43	603.66	626.09	651.39	7.84	604.05	1.72	-6.60	-3.52	607.82	0.90	-6.01	-2.92	0.62	-47.74
	100	778.04	0.48	736.43	763.07	787.71	13.69	727.54	2.47	-6.49	-4.66	730.19	1.86	-6.15	-4.31	0.36	-24.84
$\alpha = 3$	175	1044.40	1.11	1016.23	1045.34	1069.95	35.30	989.47	4.29	-5.26	-5.35	988.32	3.01	-5.37	-5.45	-0.12	-29.88
	250	1255.22	1.50	1213.70	1243.02	1272.20	67.76	1176.40	6.99	-6.28	-5.36	1179.00	4.56	-6.07	-5.15	0.22	-34.77
	375	1581.52	3.85	1549.78	1579.30	1622.85	152.29	1489.10	11.94	-5.84	-5.71	1490.44	8.74	-5.76	-5.63	0.09	-26.82
	500	1863.66	6.81	1845.83	1884.57	1943.77	271.86	1736.60	17.48	-6.82	-7.85	1739.43	14.23	-6.67	-7.70	0.16	-18.58
	Avg.	1134.31	2.07	1098.98	1126.55	1158.95	81.11	1064.30	6.84	-6.17	-5.53	1065.97	4.98	-6.03	-5.38	0.16	-27.21

Table 12: (Set A, 2-center) Results of ICP and NICP for Agatz et al. (2018) 2-center instances. Comparison (%) represents the relative difference of NICP compared to ICP. Times are in seconds.

		$\underline{\qquad \qquad \mathrm{DPS}_{25}}$		HGA-TAC <sup>+</sup>			IC	ICP Gap			NICP		Gap Over $(\%)$		Comparison $(\%)$		
	N	Obj	Time	Best	Mean	Worst	Time	Obj	Time	DPS	HGA	Obj	Time	DPS	HGA	Obj	Time
	50	1010.88	0.12	989.70	998.41	1006.26	5.80	1002.50	0.13	-0.83	0.41	1002.50	0.14	-0.83	0.41	0.00	12.27
	75	1243.47	0.18	1223.55	1235.53	1243.52	10.77	1240.30	0.17	-0.25	0.39	1240.60	0.18	-0.23	0.41	0.02	9.54
	100	1405.76	0.24	1378.14	1388.26	1395.67	14.55	1390.74	0.25	-1.07	0.18	1391.64	0.25	-1.00	0.24	0.06	0.82
$\alpha = 1$	175	1909.59	0.73	1893.29	1904.83	1912.78	31.24	1896.14	0.66	-0.70	-0.46	1896.78	0.65	-0.67	-0.42	0.03	-0.96
	250	2260.61	0.96	2248.08	2255.19	2261.69	49.15	2233.25	1.19	-1.21	-0.97	2235.44	1.19	-1.11	-0.88	0.10	-0.26
	375	2838.30	2.04	2825.75	2833.39	2839.63	75.37	2797.94	2.43	-1.42	-1.25	2796.92	2.59	-1.46	-1.29	-0.04	6.84
	500	3314.61	6.97	3300.15	3309.19	3314.75	112.94	3266.89	6.09	-1.44	-1.28	3270.36	5.86	-1.34	-1.17	0.11	-3.71
	Avg.	2068.95	1.55	2052.03	2061.11	2068.08	45.13	2045.26	1.56	-1.14	-0.77	2046.24	1.56	-1.10	-0.72	0.05	0.21
	50	825.24	0.16	792.69	806.64	825.86	3.88	810.55	0.38	-1.78	0.48	810.56	0.30	-1.78	0.49	0.00	-21.40
	75	1019.05	0.28	992.25	1009.70	1032.50	7.83	1000.69	0.86	-1.80	-0.89	997.39	0.58	-2.12	-1.22	-0.33	-33.33
	100	1137.05	0.37	1124.36	1146.94	1168.89	13.17	1105.85	1.21	-2.74	-3.58	1111.70	0.79	-2.23	-3.07	0.53	-34.70
$\alpha = 2$	175	1569.42	0.86	1560.76	1584.32	1613.76	31.78	1521.75	2.56	-3.04	-3.95	1524.98	1.82	-2.83	-3.75	0.21	-29.01
	250	1851.96	1.39	1867.40	1896.19	1919.35	59.21	1799.99	3.78	-2.81	-5.07	1802.28	2.60	-2.68	-4.95	0.13	-31.12
	375	2346.80	2.56	2353.13	2382.33	2424.42	120.67	2265.04	7.27	-3.48	-4.92	2269.81	4.79	-3.28	-4.72	0.21	-34.14
	500	2734.33	6.45	2767.99	2800.05	2836.37	199.78	2651.54	12.48	-3.03	-5.30	2653.45	9.94	-2.96	-5.24	0.07	-20.33
	Avg.	1699.35	1.73	1698.48	1723.25	1751.22	64.74	1650.17	4.19	-2.89	-4.24	1652.42	3.02	-2.76	-4.11	0.14	-28.09
	50	760.37	0.22	718.34	733.41	754.71	3.75	731.92	0.80	-3.74	-0.20	735.90	0.56	-3.22	0.34	0.54	-30.25
	75	932.58	0.33	877.31	904.34	931.13	7.83	892.17	1.42	-4.33	-1.35	892.42	1.02	-4.31	-1.32	0.03	-28.50
	100	1037.43	0.50	998.08	1025.06	1055.65	13.72	989.66	2.36	-4.60	-3.45	993.77	1.31	-4.21	-3.05	0.42	-44.72
$\alpha = 3$	175	1449.84	1.00	1390.67	1428.00	1465.15	39.95	1368.77	4.93	-5.59	-4.15	1371.35	2.86	-5.41	-3.97	0.19	-41.97
	250	1701.37	1.63	1658.41	1700.19	1741.22	71.78	1598.44	6.70	-6.05	-5.98	1602.92	4.57	-5.79	-5.72	0.28	-31.75
	375	2170.07	4.18	2141.77	2182.94	2228.84	156.10	2041.50	11.17	-5.92	-6.48	2052.93	7.86	-5.40	-5.96	0.56	-29.65
	500	2536.50	6.67	2505.45	2560.01	2626.01	286.67	2385.32	17.57	-5.96	-6.82	2395.01	13.61	-5.58	-6.45	0.41	-22.56
	Avg.	1566.38	2.12	1524.42	1560.39	1599.46	85.00	1478.91	6.68	-5.58	-5.22	1484.33	4.70	-5.24	-4.87	0.37	-29.63

Table 13: (Set A, 2-center) Results of ICP and NICP for Agatz et al. (2018) 2-center instances. Comparison (%) represents the relative difference of NICP compared to ICP. Times are in seconds.

		$_{}$ DPS <sub>25</sub>		HGA-TAC <sup>+</sup>			ICP		Gap Over (%)		NICP		Gap Over (%)		Comparison (%)		
	N	Obj	Time	Best	Mean	Worst	Time	Obj	Time	DPS	HGA	Obj	Time	DPS	HGA	Obj	Time
	50	1010.88	0.12	989.70	998.41	1006.26	5.80	1002.50	0.13	-0.83	0.41	1002.50	0.14	-0.83	0.41	0.00	12.27
	75	1243.47	0.18	1223.55	1235.53	1243.52	10.77	1240.30	0.17	-0.25	0.39	1240.60	0.18	-0.23	0.41	0.02	9.54
	100	1405.76	0.24	1378.14	1388.26	1395.67	14.55	1390.74	0.25	-1.07	0.18	1391.64	0.25	-1.00	0.24	0.06	0.82
$\alpha = 1$	175	1909.59	0.73	1893.29	1904.83	1912.78	31.24	1896.14	0.66	-0.70	-0.46	1896.78	0.65	-0.67	-0.42	0.03	-0.96
	250	2260.61	0.96	2248.08	2255.19	2261.69	49.15	2233.25	1.19	-1.21	-0.97	2235.44	1.19	-1.11	-0.88	0.10	-0.26
	375	2838.30	2.04	2825.75	2833.39	2839.63	75.37	2797.94	2.43	-1.42	-1.25	2796.92	2.59	-1.46	-1.29	-0.04	6.84
	500	3314.61	6.97	3300.15	3309.19	3314.75	112.94	3266.89	6.09	-1.44	-1.28	3270.36	5.86	-1.34	-1.17	0.11	-3.71
	Avg.	2068.95	1.55	2052.03	2061.11	2068.08	45.13	2045.26	1.56	-1.14	-0.77	2046.24	1.56	-1.10	-0.72	0.05	0.21
	50	825.24	0.16	792.69	806.64	825.86	3.88	810.55	0.38	-1.78	0.48	810.56	0.30	-1.78	0.49	0.00	-21.40
	75	1019.05	0.28	992.25	1009.70	1032.50	7.83	1000.69	0.86	-1.80	-0.89	997.39	0.58	-2.12	-1.22	-0.33	-33.33
	100	1137.05	0.37	1124.36	1146.94	1168.89	13.17	1105.85	1.21	-2.74	-3.58	1111.70	0.79	-2.23	-3.07	0.53	-34.70
$\alpha = 2$	175	1569.42	0.86	1560.76	1584.32	1613.76	31.78	1521.75	2.56	-3.04	-3.95	1524.98	1.82	-2.83	-3.75	0.21	-29.01
	250	1851.96	1.39	1867.40	1896.19	1919.35	59.21	1799.99	3.78	-2.81	-5.07	1802.28	2.60	-2.68	-4.95	0.13	-31.12
	375	2346.80	2.56	2353.13	2382.33	2424.42	120.67	2265.04	7.27	-3.48	-4.92	2269.81	4.79	-3.28	-4.72	0.21	-34.14
	500	2734.33	6.45	2767.99	2800.05	2836.37	199.78	2651.54	12.48	-3.03	-5.30	2653.45	9.94	-2.96	-5.24	0.07	-20.33
	Avg.	1699.35	1.73	1698.48	1723.25	1751.22	64.74	1650.17	4.19	-2.89	-4.24	1652.42	3.02	-2.76	-4.11	0.14	-28.09
	50	760.37	0.22	718.34	733.41	754.71	3.75	731.92	0.80	-3.74	-0.20	735.90	0.56	-3.22	0.34	0.54	-30.25
	75	932.58	0.33	877.31	904.34	931.13	7.83	892.17	1.42	-4.33	-1.35	892.42	1.02	-4.31	-1.32	0.03	-28.50
	100	1037.43	0.50	998.08	1025.06	1055.65	13.72	989.66	2.36	-4.60	-3.45	993.77	1.31	-4.21	-3.05	0.42	-44.72
$\alpha = 3$	175	1449.84	1.00	1390.67	1428.00	1465.15	39.95	1368.77	4.93	-5.59	-4.15	1371.35	2.86	-5.41	-3.97	0.19	-41.97
	250	1701.37	1.63	1658.41	1700.19	1741.22	71.78	1598.44	6.70	-6.05	-5.98	1602.92	4.57	-5.79	-5.72	0.28	-31.75
	375	2170.07	4.18	2141.77	2182.94	2228.84	156.10	2041.50	11.17	-5.92	-6.48	2052.93	7.86	-5.40	-5.96	0.56	-29.65
	500	2536.50	6.67	2505.45	2560.01	2626.01	286.67	2385.32	17.57	-5.96	-6.82	2395.01	13.61	-5.58	-6.45	0.41	-22.56
	Avg.	1566.38	2.12	1524.42	1560.39	1599.46	85.00	1478.91	6.68	-5.58	-5.22	1484.33	4.70	-5.24	-4.87	0.37	-29.63

Table 14: (Set A, limited) Results of ICP and NICP for Agatz et al. (2018)'s instances with limited flying ranges. Comparison (%) represents the relative difference of NICP compared to ICP. Times are in seconds.

		$_{}$ DPS <sub>25</sub>		HGA-TAC <sup>+</sup>			ICI	P	Gap Ov	ver (%)	NICP		Gap Over (%)		Comparison $(\%)$		
N	f	Obj	Time	Best	Mean	Worst	Time	Obj	Time	DPS	HGA	Obj	Time	DPS	HGA	Obj	Time
	5	595.57	0.06	595.62	595.62	595.62	7.65	595.57	0.29	0.00	-0.01	595.57	0.35	0.00	-0.01	0.00	23.99
	10	587.49	0.08	589.65	589.67	589.73	5.43	587.09	0.34	-0.07	-0.44	587.31	0.36	-0.03	-0.40	0.04	7.46
	15	564.59	0.09	568.15	568.43	568.61	3.94	561.11	0.43	-0.62	-1.29	561.11	0.37	-0.62	-1.29	0.00	-13.21
50	20	516.89	0.11	528.35	528.63	528.73	2.91	515.45	0.36	-0.28	-2.49	515.61	0.35	-0.25	-2.46	0.03	-2.95
	30	459.13	0.14	465.98	470.44	475.47	4.66	450.30	0.58	-1.92	-4.28	450.70	0.43	-1.84	-4.20	0.09	-26.29
	40	431.04	0.16	418.21	424.38	433.21	6.72	418.49	0.64	-2.91	-1.39	419.41	0.39	-2.70	-1.17	0.22	-39.15
	50	427.33	0.17	408.76	413.65	420.10	7.00	410.75	0.75	-3.88	-0.70	411.86	0.44	-3.62	-0.43	0.27	-41.69
	Avg.	511.72	0.11	510.67	512.97	515.92	5.47	505.54	0.48	-1.21	-1.45	505.94	0.38	-1.13	-1.37	0.08	-20.40
	5	692.43	0.10	692.82	692.83	692.84	14.89	692.43	0.53	0.00	-0.06	692.43	0.60	0.00	-0.06	0.00	12.51
	10	664.73	0.13	669.22	669.22	669.22	6.24	663.54	0.62	-0.18	-0.85	663.52	0.54	-0.18	-0.85	-0.00	-11.95
	15	612.91	0.18	625.19	625.19	625.19	4.56	607.54	0.68	-0.88	-2.82	607.61	0.61	-0.86	-2.81	0.01	-10.59
75	20	567.50	0.22	586.88	586.88	586.88	4.01	558.26	0.89	-1.63	-4.88	558.64	0.66	-1.56	-4.81	0.07	-25.74
	30	505.39	0.25	500.78	513.56	524.21	11.52	493.65	1.09	-2.32	-3.88	493.20	0.68	-2.41	-3.96	-0.09	-36.97
	40	489.49	0.27	479.30	485.67	494.27	14.43	481.04	1.19	-1.73	-0.96	480.10	0.79	-1.92	-1.15	-0.19	-33.63
	50	483.76	0.29	470.39	477.43	486.37	13.34	475.99	1.19	-1.61	-0.30	477.11	0.76	-1.37	-0.07	0.24	-36.38
	Avg.	573.74	0.21	574.94	578.68	582.71	9.85	567.49	0.88	-1.09	-1.93	567.51	0.66	-1.09	-1.93	0.00	-24.95
	5	780.43	0.14	780.59	780.59	780.59	23.73	780.32	0.77	-0.01	-0.03	780.32	0.87	-0.01	-0.03	0.00	11.96
	10	731.12	0.18	736.78	736.78	736.78	7.19	728.89	0.70	-0.31	-1.07	728.80	0.71	-0.32	-1.08	-0.01	0.62
	15	660.37	0.25	675.69	675.69	675.69	5.51	653.40	1.09	-1.05	-3.30	654.35	0.86	-0.91	-3.16	0.15	-21.54
100	30	567.62	0.36	560.02	570.34	578.15	17.92	551.78	1.64	-2.79	-3.25	552.31	1.00	-2.70	-3.16	0.10	-39.16
	50	559.72	0.37	546.40	554.48	563.11	20.92	539.64	1.70	-3.59	-2.68	540.62	1.01	-3.41	-2.50	0.18	-40.55
	Avg.	659.85	0.26	659.89	663.57	666.86	15.05	650.80	1.18	-1.37	-1.92	651.28	0.89	-1.30	-1.85	0.07	-24.87

Table 15: (Set B) Results of ICP and NICP for Bogyrbayeva et al. (2023) instances. Average cost and time values are reported on 100 problem instances for each size N. † is reported by Bogyrbayeva et al. (2023). Comp. (%) represents the relative difference of NICP compared to ICP. Times are in seconds.

		TSP-6	ep-all	$\mathrm{DPS}_{25}$		$\mathrm{HM}_{4800}$			HGA-7	CAC+		IC	Р	NICP		Comp. $(\%)$	
Dataset	N	Obj	Time	Obj	Time	Obj	Time	Best	Mean	Worst	Time	Obj	Time	Obj	Time	Obj	Time
Random	50 100	397.07 535.72	1.74 33.67	404.66 548.23	0.16 0.42	396.26 544.58	3.80 14.13	392.26 536.31	399.11 545.35	406.60 554.66	3.71 10.90	394.45 534.20	0.59 1.45	395.05 535.11	0.32 0.86	0.15 0.17	-46.11 -40.47
	Avg.	466.39	17.70	476.45	0.29	470.42	8.96	464.29	472.23	480.63	7.30	464.32	1.02	465.08	0.59	0.16	-42.10
Amsterdam	50	3.26	1.41	3.37	0.17	$3.31^{\dagger}$	$1.41^{\dagger}$	3.25	3.33	3.41	3.91	3.28	0.47	3.30	0.27	0.33	-43.06