Resultados BRKGA-MP para o problema P1 sem busca local

Tabela 1: Resultados associados as instâncias P1 sem busca local

Instâncias	s_B^*	$t_{x_B^*}$	s^*	$gap_{s_B^*}\%$
nlkp_i_10_0	402.002	0.12	401.9964	0.00
nlkp_i_10_1	209.875	0.31	209.8755	0.00
nlkp_i_10_2	184.711	12.31	185.5056	-0.43
nlkp_i_10_3	344.512	112.61	343.3623	0.33
nlkp_i_10_4	305.850	69.24	304.8248	0.34
nlkp_i_10_5	226.528	58.20	208.4337	8.68
nlkp_i_10_6	251.035	92.95	250.9840	0.02
nlkp_i_10_7	236.395	8.33	233.8466	1.09
nlkp_i_10_8	514.159	8.34	513.7746	0.07
nlkp_i_10_9	352.191	0.27	352.1909	0.00
nlkp_i_10_10	274.823	0.40	274.8232	0.00
nlkp_i_10_11	270.100	0.12	270.0996	0.00
nlkp_i_10_12	155.689	29.07	155.5448	0.09
nlkp_i_10_13	342.519	74.88	327.9025	4.46
nlkp_i_10_14	179.583	0.58	178.4352	0.64
nlkp_i_10_15	210.133	94.02	210.0301	0.05
nlkp_i_10_16	351.833	0.09	351.8297	0.00
nlkp_i_10_17	352.397	23.82	352.3505	0.01
nlkp_i_10_18	329.821	59.94	325.7300	1.26
nlkp_i_10_19	285.259	86.43	270.3284	5.52
nlkp_i_20_0	618.491	74.91	617.9949	0.08
nlkp_i_20_1	532.058	110.15	531.7698	0.05
nlkp_i_20_2	549.134	81.59	539.2633	1.83
nlkp_i_20_3	512.137	116.22	500.4662	2.33
nlkp_i_20_4	866.481	2.21	865.6876	0.09
nlkp_i_20_5	561.212	113.45	549.6967	2.09
nlkp_i_20_6	533.797	41.36	533.7375	0.01
nlkp_i_20_7	397.595	21.34	397.5875	0.00
nlkp_i_20_8	707.369	113.94	707.2645	0.01
nlkp_i_20_9	646.680	7.67	646.6333	0.01
nlkp_i_20_10	719.039	3.54	718.9898	0.01
nlkp_i_20_11	734.889	52.40	734.7542	0.02
nlkp_i_20_12	749.337	106.76	749.1971	0.02
nlkp_i_20_13	718.456	109.49	716.0605	0.33
nlkp_i_20_14	622.354	102.90	610.1096	2.01
nlkp_i_20_15	778.713	76.27	759.3399	2.55
nlkp_i_20_16	701.717	117.19	701.6370	0.01
nlkp_i_20_17	774.783	33.62	761.1460	1.79
nlkp_i_20_18	458.846	116.26	457.1839	0.36
nlkp_i_20_19	979.497	83.96	976.1912	0.34
nlkp_i_50_0	1511.430	116.67	1511.6508	-0.01
nlkp_i_50_1	1620.420	117.91	1624.5457	-0.25

nlkp_i_50_2	1282.910	108.00	1282.5041	0.03
nlkp_i_50_3	1621.100	112.76	1616.0808	0.31
nlkp_i_50_4	1946.770	77.62	1946.7971	0.00
nlkp_i_50_5	1629.060	110.57	1627.8181	0.08
nlkp_i_50_6	1877.010	119.66	1876.5354	0.03
nlkp_i_50_7	1935.850	97.04	1934.7414	0.06
nlkp_i_50_8	1525.730	85.21	1524.9838	0.05
nlkp_i_50_9	1647.660	98.19	1646.7900	0.05
nlkp_i_50_10	1692.730	105.99	1692.6302	0.01
nlkp_i_50_11	1616.490	108.35	1615.4028	0.07
nlkp_i_50_12	1730.010	112.38	1731.7095	-0.10
nlkp_i_50_13	1638.300	117.98	1638.1031	0.01
nlkp_i_50_14	1655.180	118.45	1652.6656	0.15
nlkp_i_50_15	1619.060	80.47	1618.8876	0.01
nlkp_i_50_16	2077.330	99.71	2075.0145	0.11
nlkp_i_50_17	1645.220	49.30	1645.3715	-0.01
nlkp_i_50_18	1793.340	116.12	1793.9550	-0.03
nlkp_i_50_19	1765.410	114.90	1765.7979	-0.02
nlkp_i_100_0	3133.320	114.83	3138.2572	-0.16
nlkp_i_100_1	2906.340	96.40	2898.9567	0.25
nlkp_i_100_2	3582.030	105.13	3579.8460	0.06
nlkp_i_100_3	3825.300	115.87	3824.7293	0.01
nlkp_i_100_4	3183.780	103.92	3184.9359	-0.04
nlkp_i_100_5	3308.540	98.08	3303.7474	0.15
nlkp_i_100_6	3370.840	107.00	3373.2699	-0.07
nlkp_i_100_7	3288.700	115.24	3287.5616	0.03
nlkp_i_100_8	3770.570	92.88	3773.1281	-0.07
nlkp_i_100_9	3578.880	117.93	3579.9226	-0.03
nlkp_i_100_10	3143.620	116.59	3141.9981	0.05
nlkp_i_100_11	3238.060	106.79	3232.4167	0.17
nlkp_i_100_12	3654.030	109.45	3660.8067	-0.19
nlkp_i_100_13	3780.580	116.44	3780.5357	0.00
nlkp_i_100_14	3744.090	119.13	3747.1065	-0.08
nlkp_i_100_15	3399.400	110.07	3406.5886	-0.21
nlkp_i_100_16	3300.640	103.79	3301.0714	-0.01
nlkp_i_100_17	3203.770	111.66	3205.0494	-0.04
nlkp_i_100_18	2738.280	109.50	2740.1787	-0.07
nlkp_i_100_19	3622.030	111.95	3621.8288	0.01
nlkp_i_200_0	6091.620	98.22	6102.6534	-0.18
nlkp_i_200_1	7411.200	104.24	7399.1064	0.16
nlkp_i_200_2	6500.300	113.00	6501.0145	-0.01
nlkp_i_200_3	6651.080	104.59	6655.1416	-0.06
nlkp_i_200_4	7337.890	120.01	7344.7220	-0.09
nlkp_i_200_5	6367.210	118.32	6358.9192	0.13
nlkp_i_200_6	7424.700	119.78	7437.7406	-0.18
nlkp_i_200_7	7149.390	111.83	7144.7174	0.07
nlkp_i_200_8	6497.070	117.36	6485.9474	0.17

nlkp_i_200_9	6354.990	103.55	6362.9497	-0.13
nlkp_i_200_10	6979.700	111.96	6973.5437	0.09
nlkp_i_200_11	6849.900	118.03	6853.8089	-0.06
nlkp_i_200_12	7586.700	119.92	7598.6942	-0.16
nlkp_i_200_13	7497.010	119.06	7485.8150	0.15
nlkp_i_200_14	7394.940	119.07	7402.9587	-0.11
nlkp_i_200_15	7037.840	104.03	7034.3804	0.05
nlkp_i_200_16	7035.930	92.20	7050.7630	-0.21
nlkp_i_200_17	6756.230	106.39	6734.6732	0.32
nlkp_i_200_18	6210.050	117.15	6216.6355	-0.11
nlkp_i_200_19	6990.750	98.61	7006.8980	-0.23
nlkp_i_500_0	16613.500	115.84	16642.8770	-0.18
nlkp_i_500_1	17208.900	118.73	17287.3307	-0.45
nlkp_i_500_2	17452.500	117.09	17481.2310	-0.16
nlkp_i_500_3	16143.400	119.63	16206.5470	-0.39
nlkp_i_500_4	17545.100	115.33	17624.4100	-0.45
nlkp_i_500_5	18644.300	119.28	18695.8339	-0.28
nlkp_i_500_6	17180.800	118.49	17266.7023	-0.50
nlkp_i_500_7	16734.100	97.05	16812.7636	-0.47
nlkp_i_500_8	16637.200	116.01	16738.2265	-0.60
nlkp_i_500_9	16473.500	119.08	16519.8165	-0.28
nlkp_i_500_10	18202.900	118.69	18250.6693	-0.26
nlkp_i_500_11	16997.300	118.18	17014.3668	-0.10
nlkp_i_500_12	17802.700	104.58	17896.4295	-0.52
nlkp_i_500_13	17492.600	113.03	17547.4981	-0.31
nlkp_i_500_14	16834.700	119.08	16852.6308	-0.11
nlkp_i_500_15	16997.200	118.33	17115.1555	-0.69
nlkp_i_500_16	16884.500	118.62	16968.6750	-0.50
nlkp_i_500_17	16787.400	117.37	16824.3460	-0.22
nlkp_i_500_18	16586.400	97.60	16646.8005	-0.36
nlkp_i_500_19	17241.500	100.66	17332.9141	-0.53
nlkp_i_1000_0	33429.900	116.57	33896.5205	-1.38
nlkp_i_1000_1	33276.100	114.03	33675.5826	-1.19
nlkp_i_1000_2	35900.200	120.09	36255.3825	-0.98
nlkp_i_1000_3	33657.200	114.42	34038.0216	-1.12
nlkp_i_1000_4	33228.400	120.02	33256.4650	-0.08
nlkp_i_1000_5	34963.400	117.87	35239.3782	-0.78
nlkp_i_1000_6	35061.900	120.05	35422.0989	-1.02
nlkp_i_1000_7	33624.600	117.50	33931.3417	-0.90
nlkp_i_1000_8	33401.900	120.00	33738.1701	-1.00
nlkp_i_1000_9	33512.700	119.92	33916.5340	-1.19
nlkp_i_1000_10	32954.200	119.82	33390.0276	-1.31
nlkp_i_1000_11	33940.200	118.48	34278.6829	-0.99
nlkp_i_1000_12	34172.700	119.92	34573.8550	-1.16
nlkp_i_1000_13	32278.600	119.92	32707.4556	-1.31
nlkp_i_1000_14	34304.200	119.09	34646.7308	-0.99
nlkp_i_1000_15	35194.200	116.11	35526.3825	-0.94

nlkp_i_1000_16	31971.400	116.69	32407.3436	-1.35
nlkp_i_1000_17	35909.600	119.12	36265.6301	-0.98
nlkp_i_1000_18	33878.200	119.46	34135.3950	-0.75
nlkp_i_1000_19	33283.100	119.97	33581.2811	-0.89
nlkp_i_2500_0	79773.800	120.06	85102.8503	-6.26
nlkp_i_2500_1	81098.000	119.56	85875.7829	-5.56
nlkp_i_2500_2	82580.500	120.17	87514.3537	-5.64
nlkp_i_2500_3	79620.300	119.81	84719.7505	-6.02
nlkp_i_2500_4	80130.200	119.56	85212.0612	-5.96
nlkp_i_2500_5	79251.300	119.44	84254.6707	-5.94
nlkp_i_2500_6	81669.900	120.04	86565.7304	-5.66
nlkp_i_2500_7	80425.900	120.20	85102.7379	-5.50
nlkp_i_2500_8	81518.900	120.01	86769.3132	-6.05
nlkp_i_2500_9	79204.600	119.83	84438.8134	-6.20
nlkp_i_2500_10	79754.500	119.85	84848.0882	-6.00
nlkp_i_2500_11	79082.600	120.20	84307.6525	-6.20
nlkp_i_2500_12	82962.300	120.20	87911.7023	-5.63
nlkp_i_2500_13	81105.400	119.81	86149.7753	-5.86
nlkp_i_2500_14	78470.700	120.23	83201.9582	-5.69
nlkp_i_2500_15	81005.800	120.14	86169.4849	-5.99
nlkp_i_2500_16	79083.200	120.08	84173.1073	-6.05
nlkp_i_2500_17	81258.800	119.80	86491.6841	-6.05
nlkp_i_2500_18	79376.900	119.88	84096.3434	-5.61
nlkp_i_2500_19	76793.000	119.53	81691.9495	-6.00