

Resultados BRKGA-MP para o problema P3 sem busca local

Tabela 1: Resultados associados as instâncias ($P3$) sem busca local

Instâncias	s_B^*	$t_{x_B^*}$	s^*	$gap_{s_B^*} \%$
nlkp.c_10_0	402.116	118.45	402.2202	-0.03
nlkp.c_10_1	209.871	119.24	209.8753	0.00
nlkp.c_10_2	184.688	109.88	183.4239	0.69
nlkp.c_10_3	344.334	23.92	343.6149	0.21
nlkp.c_10_4	305.726	98.67	304.6073	0.37
nlkp.c_10_5	226.598	113.92	209.1627	8.34
nlkp.c_10_6	250.992	117.82	251.0318	-0.02
nlkp.c_10_7	236.570	115.33	233.8616	1.16
nlkp.c_10_8	514.116	116.79	514.0362	0.02
nlkp.c_10_9	351.876	100.05	352.0170	-0.04
nlkp.c_10_10	274.821	111.43	274.8232	0.00
nlkp.c_10_11	270.099	115.39	270.0996	0.00
nlkp.c_10_12	155.668	108.14	155.5396	0.08
nlkp.c_10_13	342.316	119.03	327.8879	4.40
nlkp.c_10_14	179.520	72.88	178.4363	0.61
nlkp.c_10_15	210.260	52.48	210.3286	-0.03
nlkp.c_10_16	351.813	109.22	351.8345	-0.01
nlkp.c_10_17	352.319	84.96	352.2941	0.01
nlkp.c_10_18	329.211	51.00	325.7574	1.06
nlkp.c_10_19	285.136	85.78	270.3795	5.46
nlkp.c_20_0	616.631	93.39	617.8092	-0.19
nlkp.c_20_1	531.793	119.92	531.7482	0.01
nlkp.c_20_2	541.790	104.90	538.3226	0.64
nlkp.c_20_3	511.127	112.14	500.3686	2.15
nlkp.c_20_4	865.835	97.03	865.6059	0.03
nlkp.c_20_5	561.292	118.57	549.6902	2.11
nlkp.c_20_6	533.743	104.78	533.5995	0.03
nlkp.c_20_7	397.406	116.05	397.5410	-0.03
nlkp.c_20_8	707.294	114.26	705.2144	0.29
nlkp.c_20_9	646.380	119.16	646.5639	-0.03
nlkp.c_20_10	718.837	115.12	718.9515	-0.02
nlkp.c_20_11	735.040	109.20	734.7467	0.04
nlkp.c_20_12	749.166	111.77	749.2873	-0.02
nlkp.c_20_13	715.895	90.47	715.8681	0.00
nlkp.c_20_14	621.891	117.53	610.0587	1.94
nlkp.c_20_15	778.304	118.49	759.0671	2.53
nlkp.c_20_16	701.595	103.90	701.2847	0.04
nlkp.c_20_17	772.651	115.11	760.8037	1.56
nlkp.c_20_18	458.761	113.48	456.6903	0.45
nlkp.c_20_19	979.245	116.36	975.6229	0.37
nlkp.c_50_0	1508.340	97.28	1510.4634	-0.14
nlkp.c_50_1	1618.150	93.94	1619.8893	-0.11

nlkp.c_50_2	1280.250	118.94	1282.1285	-0.15
nlkp.c_50_3	1613.250	108.72	1616.5153	-0.20
nlkp.c_50_4	1943.800	112.38	1945.5600	-0.09
nlkp.c_50_5	1625.280	115.95	1626.6654	-0.09
nlkp.c_50_6	1875.010	118.49	1875.7974	-0.04
nlkp.c_50_7	1932.490	117.70	1932.7623	-0.01
nlkp.c_50_8	1524.080	119.22	1524.9307	-0.06
nlkp.c_50_9	1645.980	103.78	1647.4802	-0.09
nlkp.c_50_10	1690.950	102.57	1691.6299	-0.04
nlkp.c_50_11	1613.590	113.25	1614.9931	-0.09
nlkp.c_50_12	1727.920	108.18	1729.3467	-0.08
nlkp.c_50_13	1636.150	110.39	1637.4076	-0.08
nlkp.c_50_14	1653.910	117.37	1653.5315	0.02
nlkp.c_50_15	1615.140	106.01	1618.0473	-0.18
nlkp.c_50_16	2073.350	106.36	2072.5273	0.04
nlkp.c_50_17	1641.650	101.25	1642.7055	-0.06
nlkp.c_50_18	1787.840	119.60	1792.4743	-0.26
nlkp.c_50_19	1763.890	102.49	1765.4920	-0.09
nlkp.c_100_0	3123.540	118.48	3137.8804	-0.46
nlkp.c_100_1	2900.210	115.72	2902.2591	-0.07
nlkp.c_100_2	3568.960	98.12	3578.5630	-0.27
nlkp.c_100_3	3811.710	117.27	3824.7209	-0.34
nlkp.c_100_4	3175.340	105.29	3184.3089	-0.28
nlkp.c_100_5	3297.870	117.00	3304.3057	-0.19
nlkp.c_100_6	3359.660	118.15	3372.6291	-0.38
nlkp.c_100_7	3278.060	116.44	3289.1995	-0.34
nlkp.c_100_8	3757.580	119.22	3772.9906	-0.41
nlkp.c_100_9	3567.460	114.50	3579.6102	-0.34
nlkp.c_100_10	3131.570	116.55	3142.6757	-0.35
nlkp.c_100_11	3220.540	109.49	3229.6682	-0.28
nlkp.c_100_12	3644.360	119.28	3657.4407	-0.36
nlkp.c_100_13	3767.370	115.92	3780.8953	-0.36
nlkp.c_100_14	3734.710	97.34	3746.7864	-0.32
nlkp.c_100_15	3390.410	104.06	3402.8803	-0.37
nlkp.c_100_16	3290.850	119.61	3299.7005	-0.27
nlkp.c_100_17	3194.990	118.37	3203.0870	-0.25
nlkp.c_100_18	2728.740	107.11	2739.6659	-0.40
nlkp.c_100_19	3607.970	119.13	3619.1315	-0.31
nlkp.c_200_0	6070.210	117.04	6100.0986	-0.49
nlkp.c_200_1	7378.110	119.73	7396.7228	-0.25
nlkp.c_200_2	6482.560	112.57	6505.6267	-0.35
nlkp.c_200_3	6620.710	120.00	6650.7362	-0.45
nlkp.c_200_4	7312.190	119.02	7340.7465	-0.39
nlkp.c_200_5	6349.760	118.08	6361.5387	-0.19
nlkp.c_200_6	7403.320	114.58	7438.1294	-0.47
nlkp.c_200_7	7126.070	111.44	7138.3545	-0.17
nlkp.c_200_8	6472.050	119.56	6494.3381	-0.34

nlkp.c_200_9	6337.410	118.97	6358.7926	-0.34
nlkp.c_200_10	6954.490	112.83	6979.5877	-0.36
nlkp.c_200_11	6823.260	116.15	6856.9903	-0.49
nlkp.c_200_12	7556.420	120.00	7592.0944	-0.47
nlkp.c_200_13	7469.610	110.30	7484.0336	-0.19
nlkp.c_200_14	7362.600	119.99	7399.4426	-0.50
nlkp.c_200_15	7012.430	113.82	7032.4306	-0.28
nlkp.c_200_16	7015.890	107.66	7041.5838	-0.36
nlkp.c_200_17	6724.950	118.15	6738.0047	-0.19
nlkp.c_200_18	6185.630	116.69	6208.0423	-0.36
nlkp.c_200_19	6970.740	118.73	7004.4276	-0.48
nlkp.c_500_0	16477.000	119.76	16653.8336	-1.06
nlkp.c_500_1	17126.200	118.00	17281.5816	-0.90
nlkp.c_500_2	17354.700	119.84	17492.5416	-0.79
nlkp.c_500_3	16053.000	118.10	16215.1138	-1.00
nlkp.c_500_4	17432.600	119.65	17639.3904	-1.17
nlkp.c_500_5	18491.100	118.45	18672.7021	-0.97
nlkp.c_500_6	17070.900	119.36	17275.0635	-1.18
nlkp.c_500_7	16710.500	116.71	16811.5260	-0.60
nlkp.c_500_8	16565.600	120.04	16744.8235	-1.07
nlkp.c_500_9	16411.500	119.56	16518.0643	-0.65
nlkp.c_500_10	18107.700	113.75	18243.2094	-0.74
nlkp.c_500_11	16912.000	118.40	17020.8030	-0.64
nlkp.c_500_12	17694.600	117.71	17903.7868	-1.17
nlkp.c_500_13	17409.200	119.76	17534.9712	-0.72
nlkp.c_500_14	16721.200	118.29	16852.9630	-0.78
nlkp.c_500_15	16988.900	120.00	17114.7797	-0.74
nlkp.c_500_16	16801.800	118.80	16960.0247	-0.93
nlkp.c_500_17	16683.000	116.45	16833.5699	-0.89
nlkp.c_500_18	16482.500	116.91	16659.2730	-1.06
nlkp.c_500_19	17168.900	120.05	17335.5706	-0.96
nlkp.c_1000_0	33150.500	118.81	33894.5672	-2.20
nlkp.c_1000_1	32938.300	119.03	33732.5160	-2.35
nlkp.c_1000_2	35499.800	115.83	36266.1302	-2.11
nlkp.c_1000_3	33335.200	115.96	34046.8873	-2.09
nlkp.c_1000_4	32566.300	120.03	33274.2341	-2.13
nlkp.c_1000_5	34634.600	118.12	35257.1205	-1.77
nlkp.c_1000_6	34771.800	116.79	35433.4635	-1.87
nlkp.c_1000_7	33324.600	119.86	33959.8418	-1.87
nlkp.c_1000_8	33109.900	117.10	33741.4787	-1.87
nlkp.c_1000_9	33185.300	119.64	33937.2061	-2.22
nlkp.c_1000_10	32659.000	119.70	33366.0010	-2.12
nlkp.c_1000_11	33649.100	119.40	34261.0948	-1.79
nlkp.c_1000_12	34010.000	119.75	34585.8211	-1.66
nlkp.c_1000_13	31799.600	120.06	32711.1551	-2.79
nlkp.c_1000_14	34075.800	120.08	34625.3900	-1.59
nlkp.c_1000_15	34853.200	119.74	35543.7500	-1.94

nlkp.c_1000_16	31684.800	112.63	32412.5253	-2.25
nlkp.c_1000_17	35590.400	118.77	36271.4223	-1.88
nlkp.c_1000_18	33516.900	119.85	34148.2623	-1.85
nlkp.c_1000_19	32865.900	120.00	33593.9317	-2.17
nlkp.c_2500_0	80315.500	120.03	85099.1098	-5.62
nlkp.c_2500_1	81387.600	118.78	85909.8618	-5.26
nlkp.c_2500_2	83047.200	120.03	87527.6533	-5.12
nlkp.c_2500_3	80192.100	119.91	84747.0241	-5.37
nlkp.c_2500_4	80708.700	119.69	85203.1111	-5.27
nlkp.c_2500_5	79730.200	120.15	84251.8894	-5.37
nlkp.c_2500_6	82065.800	120.12	86584.0387	-5.22
nlkp.c_2500_7	80823.000	119.91	85107.4907	-5.03
nlkp.c_2500_8	81821.800	119.82	86848.4444	-5.79
nlkp.c_2500_9	79705.600	120.17	84399.2016	-5.56
nlkp.c_2500_10	80139.900	120.05	84864.5620	-5.57
nlkp.c_2500_11	79673.000	120.11	84294.9090	-5.48
nlkp.c_2500_12	83358.000	119.80	87943.5247	-5.21
nlkp.c_2500_13	81659.200	120.01	86161.4419	-5.23
nlkp.c_2500_14	78882.200	120.18	83220.5886	-5.21
nlkp.c_2500_15	81476.100	120.11	86124.3737	-5.40
nlkp.c_2500_16	79640.600	119.38	84178.1527	-5.39
nlkp.c_2500_17	81876.100	119.97	86531.6251	-5.38
nlkp.c_2500_18	79738.000	120.07	84071.5938	-5.15
nlkp.c_2500_19	77123.300	119.85	81653.2548	-5.55