

Resultados BRKGA-MP para o problema P2 sem busca local

Tabela 1: Resultados associados as instâncias P2 sem busca local

Instâncias	s_B^*	$t_{x_B^*}$	s^*	$gap_{s_B^*} \%$
nlkp.i.10.0	376.965	102.12	376.6214	0.09
nlkp.i.10.1	259.338	26.32	259.3356	0.00
nlkp.i.10.2	246.599	0.20	239.2010	3.09
nlkp.i.10.3	139.364	0.82	134.1654	3.87
nlkp.i.10.4	321.583	0.31	299.0875	7.52
nlkp.i.10.5	310.652	107.02	288.5838	7.65
nlkp.i.10.6	214.685	32.51	200.5397	7.05
nlkp.i.10.7	357.127	82.65	329.1173	8.51
nlkp.i.10.8	392.432	9.14	392.4323	0.00
nlkp.i.10.9	296.033	0.63	296.0231	0.00
nlkp.i.10.10	366.842	0.42	366.8054	0.01
nlkp.i.10.11	434.115	0.58	434.1167	0.00
nlkp.i.10.12	176.204	2.62	176.2043	0.00
nlkp.i.10.13	460.006	0.44	463.2403	-0.70
nlkp.i.10.14	256.455	36.53	256.4550	0.00
nlkp.i.10.15	366.442	83.86	331.5076	10.54
nlkp.i.10.16	286.552	0.53	286.6313	-0.03
nlkp.i.10.17	297.970	0.56	297.9797	0.00
nlkp.i.10.18	366.265	40.04	353.3986	3.64
nlkp.i.10.19	248.426	0.53	248.3639	0.03
nlkp.i.20.0	633.581	0.80	632.3483	0.19
nlkp.i.20.1	543.459	1.73	537.3559	1.14
nlkp.i.20.2	644.823	0.77	644.8252	0.00
nlkp.i.20.3	580.252	104.60	573.3470	1.20
nlkp.i.20.4	647.772	0.62	647.2763	0.08
nlkp.i.20.5	786.345	0.88	751.2048	4.68
nlkp.i.20.6	509.498	1.10	503.1943	1.25
nlkp.i.20.7	634.271	34.81	633.7578	0.08
nlkp.i.20.8	586.229	23.69	585.6383	0.10
nlkp.i.20.9	664.214	34.86	656.4368	1.18
nlkp.i.20.10	598.948	106.85	598.9186	0.00
nlkp.i.20.11	564.187	43.12	563.8492	0.06
nlkp.i.20.12	545.917	44.87	545.9260	0.00
nlkp.i.20.13	442.165	0.83	441.9057	0.06
nlkp.i.20.14	520.956	45.93	510.4635	2.06
nlkp.i.20.15	531.708	1.86	531.7278	0.00
nlkp.i.20.16	792.802	0.86	786.4513	0.81
nlkp.i.20.17	617.759	0.95	611.4322	1.03
nlkp.i.20.18	626.901	86.81	628.3209	-0.23
nlkp.i.20.19	647.864	92.28	627.3750	3.27
nlkp.i.50.0	1507.010	76.25	1503.4756	0.24
nlkp.i.50.1	1452.650	65.55	1452.3242	0.02

nlkp.i.50_2	1636.800	110.99	1635.5458	0.08
nlkp.i.50_3	1793.320	59.75	1792.7291	0.03
nlkp.i.50_4	1450.260	58.60	1444.3478	0.41
nlkp.i.50_5	1309.280	75.25	1308.9826	0.02
nlkp.i.50_6	1792.500	47.71	1790.0218	0.14
nlkp.i.50_7	1452.280	114.67	1452.2788	0.00
nlkp.i.50_8	1877.610	99.54	1871.5738	0.32
nlkp.i.50_9	1411.160	84.27	1410.8072	0.03
nlkp.i.50_10	1778.360	108.30	1771.4599	0.39
nlkp.i.50_11	1619.570	94.56	1617.0524	0.16
nlkp.i.50_12	1328.270	52.02	1328.9757	-0.05
nlkp.i.50_13	1734.180	28.23	1733.6094	0.03
nlkp.i.50_14	1508.140	62.50	1513.1892	-0.33
nlkp.i.50_15	1825.740	101.47	1824.2454	0.08
nlkp.i.50_16	1720.390	96.84	1717.8100	0.15
nlkp.i.50_17	1861.290	106.13	1860.7885	0.03
nlkp.i.50_18	1611.290	94.28	1601.5983	0.61
nlkp.i.50_19	1549.870	14.59	1542.6894	0.47
nlkp.i.100_0	2945.920	117.92	2945.8366	0.00
nlkp.i.100_1	3602.490	111.48	3603.2523	-0.02
nlkp.i.100_2	2824.740	110.27	2823.0839	0.06
nlkp.i.100_3	3311.220	93.80	3312.6367	-0.04
nlkp.i.100_4	3454.010	58.85	3457.2734	-0.09
nlkp.i.100_5	3031.250	96.90	3032.2339	-0.03
nlkp.i.100_6	2800.900	118.02	2803.1663	-0.08
nlkp.i.100_7	3222.380	117.62	3225.0804	-0.08
nlkp.i.100_8	3610.100	112.59	3610.9912	-0.02
nlkp.i.100_9	2924.980	98.02	2927.6075	-0.09
nlkp.i.100_10	3229.920	112.99	3230.7195	-0.02
nlkp.i.100_11	3445.100	112.21	3446.4477	-0.04
nlkp.i.100_12	3449.220	78.16	3452.7475	-0.10
nlkp.i.100_13	3599.110	116.77	3600.8891	-0.05
nlkp.i.100_14	3156.890	88.71	3157.8810	-0.03
nlkp.i.100_15	3297.370	69.23	3300.8912	-0.11
nlkp.i.100_16	3297.560	80.95	3299.2832	-0.05
nlkp.i.100_17	3245.920	68.05	3250.3995	-0.14
nlkp.i.100_18	3291.790	113.08	3293.6759	-0.06
nlkp.i.100_19	3462.080	117.42	3463.3952	-0.04
nlkp.i.200_0	6351.560	105.81	6359.4989	-0.12
nlkp.i.200_1	5849.470	101.93	5856.9718	-0.13
nlkp.i.200_2	6854.560	107.85	6866.7713	-0.18
nlkp.i.200_3	5949.800	117.87	5957.7506	-0.13
nlkp.i.200_4	6932.820	115.51	6938.5878	-0.08
nlkp.i.200_5	6966.200	111.76	6973.4845	-0.10
nlkp.i.200_6	7124.910	119.95	7130.1660	-0.07
nlkp.i.200_7	6552.640	118.71	6567.0896	-0.22
nlkp.i.200_8	6456.290	93.30	6461.0495	-0.07

nlkp.i.200_9	6901.970	112.36	6910.3408	-0.12
nlkp.i.200_10	7141.580	119.39	7149.8814	-0.12
nlkp.i.200_11	6069.260	108.10	6076.9587	-0.13
nlkp.i.200_12	6768.670	116.74	6777.4778	-0.13
nlkp.i.200_13	6320.210	106.28	6329.1746	-0.14
nlkp.i.200_14	6826.010	103.93	6830.2642	-0.06
nlkp.i.200_15	6167.250	94.73	6177.6793	-0.17
nlkp.i.200_16	6416.790	113.27	6420.8554	-0.06
nlkp.i.200_17	7070.840	114.18	7079.9221	-0.13
nlkp.i.200_18	6467.890	111.28	6476.2133	-0.13
nlkp.i.200_19	6366.370	100.74	6373.2011	-0.11
nlkp.i.500_0	15730.000	117.11	15789.0718	-0.37
nlkp.i.500_1	16338.900	119.13	16394.8742	-0.34
nlkp.i.500_2	17815.800	117.56	17862.4298	-0.26
nlkp.i.500_3	16387.000	120.10	16443.9318	-0.35
nlkp.i.500_4	16540.500	119.25	16588.5594	-0.29
nlkp.i.500_5	16614.200	119.62	16662.2393	-0.29
nlkp.i.500_6	16026.200	119.67	16095.9520	-0.43
nlkp.i.500_7	15891.000	118.52	15981.7489	-0.57
nlkp.i.500_8	16376.300	119.05	16437.9713	-0.38
nlkp.i.500_9	17312.100	119.83	17380.4837	-0.39
nlkp.i.500_10	16288.100	119.33	16365.9545	-0.48
nlkp.i.500_11	16438.300	117.48	16495.6878	-0.35
nlkp.i.500_12	15861.400	115.08	15915.7356	-0.34
nlkp.i.500_13	16422.500	113.62	16498.9542	-0.46
nlkp.i.500_14	16328.100	119.03	16379.5318	-0.31
nlkp.i.500_15	16642.200	116.77	16719.6262	-0.46
nlkp.i.500_16	16758.000	108.97	16832.7163	-0.44
nlkp.i.500_17	15380.500	119.75	15439.3544	-0.38
nlkp.i.500_18	16596.500	119.39	16680.4369	-0.50
nlkp.i.500_19	15770.300	117.92	15840.3413	-0.44
nlkp.i.1000_0	31474.900	119.97	31865.3567	-1.23
nlkp.i.1000_1	34265.600	120.12	34792.9106	-1.52
nlkp.i.1000_2	32829.200	120.05	33279.6210	-1.35
nlkp.i.1000_3	32240.000	120.27	32738.3774	-1.52
nlkp.i.1000_4	32592.100	120.06	32977.9152	-1.17
nlkp.i.1000_5	33089.200	120.25	33495.0168	-1.21
nlkp.i.1000_6	32080.700	119.98	32575.1452	-1.52
nlkp.i.1000_7	31984.300	120.16	32446.8099	-1.43
nlkp.i.1000_8	31869.900	120.07	32308.8226	-1.36
nlkp.i.1000_9	31975.800	119.86	32382.2177	-1.26
nlkp.i.1000_10	32437.900	120.13	32975.3626	-1.63
nlkp.i.1000_11	34120.700	119.80	34609.6123	-1.41
nlkp.i.1000_12	32451.300	113.88	32857.2100	-1.24
nlkp.i.1000_13	32718.400	118.92	33160.8556	-1.33
nlkp.i.1000_14	33407.500	119.07	33870.0522	-1.37
nlkp.i.1000_15	32669.100	120.27	33174.9634	-1.52

nlkp.i.1000_16	32122.500	119.09	32613.7356	-1.51
nlkp.i.1000_17	32739.800	119.98	33182.5052	-1.33
nlkp.i.1000_18	32294.400	120.23	32680.2442	-1.18
nlkp.i.1000_19	32656.700	120.06	33093.3900	-1.32
nlkp.i.2500_0	79258.100	119.34	83029.0442	-4.54
nlkp.i.2500_1	78381.700	120.06	82316.8453	-4.78
nlkp.i.2500_2	77966.100	120.15	81843.8798	-4.74
nlkp.i.2500_3	79501.400	120.70	83243.1801	-4.49
nlkp.i.2500_4	80281.200	120.51	84130.2549	-4.58
nlkp.i.2500_5	77702.400	120.47	81524.8773	-4.69
nlkp.i.2500_6	78108.000	119.77	82242.9323	-5.03
nlkp.i.2500_7	79022.900	120.09	82488.4317	-4.20
nlkp.i.2500_8	76049.300	120.53	79872.9022	-4.79
nlkp.i.2500_9	78190.900	120.21	82207.9041	-4.89
nlkp.i.2500_10	77880.600	120.50	81862.4293	-4.86
nlkp.i.2500_11	77848.700	120.22	81726.7976	-4.75
nlkp.i.2500_12	75134.900	120.21	79045.1924	-4.95
nlkp.i.2500_13	77436.300	120.64	81425.9957	-4.90
nlkp.i.2500_14	76731.300	120.46	80467.0732	-4.64
nlkp.i.2500_15	79754.100	120.73	83654.9562	-4.66
nlkp.i.2500_16	78811.700	120.23	82279.6095	-4.21
nlkp.i.2500_17	78684.900	120.13	82777.8606	-4.94
nlkp.i.2500_18	78995.600	120.55	83135.3394	-4.98
nlkp.i.2500_19	78360.600	120.47	82073.6089	-4.52