

Results for Valencia-2 instances (BMTSP)

Keld Helsgaun, June 4, 2024

Instance	k	m_min	m_max	BKS	LKH-3	Gap %
eil76	3	24	40	586.46	586.46	0.00
pr76	3	24	40	132,588.91	132,405.64	-0.14
rat99	4	24	40	1,768.52	1,739.22	-1.66
kroA100	4	24	40	26,242.15	26,010.19	-0.88
kroB100	4	24	40	27,913.24	26,970.11	-3.38
kroC100	4	24	40	27,109.80	27,007.94	-0.38
kroD100	4	24	40	27,649.51	27,619.92	-0.11
kroE100	4	24	40	28,285.34	27,974.29	-1.10
rd100	4	24	40	9,986.82	9,884.95	-1.02
eil101	4	24	40	717.37	705.61	-1.64
lin105	4	24	40	21,744.15	21,639.74	-0.48
pr107	4	24	40	71,849.65	71,561.74	-0.40
pr124	5	24	40	97,028.72	95,552.74	-1.52
bier127	5	24	40	132,484.88	129,127.09	-2.53
ch130	5	24	40	7,480.35	7304.92	-2.35
pr136	5	24	40	134,713.70	132,602.34	-1.57
pr144	5	24	40	100,054.62	99,669.91	-0.38
ch150	5	24	40	8,440.98	8,286.34	-1.83
kroA150	5	24	40	31,554.10	31,367.62	-0.59
kroB150	5	24	40	32,641.11	32,456.17	-0.57
pr152	5	24	40	128,920.61	128,473.48	-0.35
ul59	6	24	40	68,768.94	67,064.87	-2.48
rat195	7	24	40	3,720.74	3,603.86	-3.14
d198	7	24	40	41,422.58	40,907.48	-1.24
kroA200	7	24	40	41,164.26	40536.83	-1.52
kroB200	7	24	40	40,661.80	39,704.81	-2.35
ts225	8	24	40	224,897.87	222,741.61	-0.96
pr226	8	24	40	196,679.17	192,867.28	-1.94
gil262	9	24	40	4,204.12	4,160.38	-1.04
pr264	9	24	40	103,309.37	102,133.86	-1.14
a280	10	24	40	5,050.77	4,857.93	-3.82
pr299	10	24	40	105,071.04	101,763.49	-3.15
lin318	11	24	40	81,975.59	79,068.57	-3.55
rd400	13	24	40	20,766.48	20,029.64	-3.55
fl417	14	24	40	34,435.99	33,234.97	-3.49
pr439	15	24	40	228,170.21	221,843.17	-2.77
pcb442	15	24	40	100,995.48	97,191.26	-3.77
d493_17	17	24	40	134,375.88	132,242.17	-1.59
u574	19	24	40	88,947.95	85,405.22	-3.98
rat575	19	24	40	14,359.36	13,792.95	-3.94
p6542	22	24	40	177,072.29	172,816.01	-2.40
d6572	22	24	40	163,821.07	158,914.22	-3.00

u7244	24	24	40	109,584.77	104,257.02	-4.86
rat7836	26	24	40	22,159.50	21,127.44	-4.66
dsj1000	33	24	40	44,532,199.46	42,040,813.20	-5.59
pr10023	33	24	40	796,594.33	764,424.19	-4.04
u10605	35	24	40	699,329.05	669,843.77	-4.22
vm10846	36	24	40	627,346.21	595,887.74	-5.01
pcb11739	39	24	40	169,718.86	163,734.12	-3.53
d12912	42	24	40	271,615.30	263,824.72	-2.87
rl13043	43	24	40	749,560.18	716,503.88	-4.41
rl13233	43	24	40	946,779.19	908,220.83	-4.07
nrw13795	45	24	40	142,138.36	134,496.61	-5.38
fl14006	46	24	40	141,861.73	138,810.66	-2.15
u14327	47	24	40	354,794.83	334,820.58	-5.63
fl15772	52	24	40	104,853.60	100,424.73	-4.22