

Results for Valencia-1 instances (BMTSP)

Keld Helsgaun, June 4, 2024

Instance	k	m_min	m_max	BKS	LKH-3	Gap %
eil76	2	30	50	555.72	555.72	0.00
pr76	2	30	50	114,840.74	114,840.74	0.00
rat99	3	30	50	1,530.26	1,503.74	-1.73
kroA100	3	30	50	23,420.41	23,420.41	0.00
kroB100	3	30	50	24,372.78	24,372.78	0.00
kroC100	3	30	50	23,757.42	23,694.70	-0.26
kroD100	3	30	50	25,122.66	25,041.50	-0.32
kroE100	3	30	50	24,894.07	24,865.20	-0.12
rd100	3	30	50	9,102.87	9,000.23	-1.13
eil101	3	30	50	678.93	678.93	0.00
lin105	3	30	50	18,978.70	18,797.66	-0.95
pr107	3	30	50	66,069.60	65,631.96	-0.66
pr124	4	30	50	85,074.15	84,174.68	-1.06
bier127	4	30	50	127,323.29	12,5073.08	-1.77
ch130	4	30	50	7,005.48	6,908.23	-1.39
pr136	4	30	50	122,645.40	120,730.93	-1.56
pr144	4	30	50	89,177.99	89,095.45	-0.09
ch150	4	30	50	7,705.28	7,577.87	-1.65
kroA150	4	30	50	29,927.32	29,464.70	-1.55
kroB150	4	30	50	30,431.64	30,263.25	-0.55
pr152	4	30	50	111,218.14	111,064.00	-0.14
ul59	5	30	50	62,806.52	61,452.48	-2.16
rat195	6	30	50	3,477.66	3,378.39	-2.85
d198	6	30	50	37,259.60	36,828.65	-1.16
kroA200	6	30	50	38,954.65	38,272.41	-1.75
kroB200	6	30	50	39,210.08	37,990.70	-3.11
ts225	6	30	50	187,839.38	185,407.47	-1.29
pr226	6	30	50	156,290.00	155,167.90	-0.72
gil262	7	30	50	3,696.04	3,597.55	-2.66
pr264	7	30	50	88,360.21	87,115.06	-1.41
a280	8	30	50	4,373.71	4,272.01	-2.33
pr299	8	30	50	90,789.88	87,344.79	-3.79
lin318	9	30	50	72,967.38	70,720.51	-3.08
rd400	11	30	50	19,709.19	18,878.50	-4.21
fl417	11	30	50	28,020.97	27,502.98	-1.85
pr439	12	30	50	199,395.94	193,082.47	-3.17
pcb442	12	30	50	88,256.67	84,688.69	-4.04
dd493	13	30	50	107,790.93	105,882.00	-1.77
u574	15	30	50	75,932.59	73,067.89	-3.77
rat575	15	30	50	12,392.21	11,830.53	-4.53
p654	18	30	50	148,385.38	145,591.70	-1.88
d657	18	30	50	140,110.73	136,498.31	-2.58

u724	19	30	50	92,752.54	88,526.46	-4.56
rat7831	21	30	50	19,211.82	18,241.35	-5.05
dsj10006	26	30	50	38,303,832.92	36,175,389.87	-5.56
pr10027	27	30	50	687,905.25	655,529.26	-4.71
u10608	28	30	50	592,679.01	563,888.30	-4.86
vm10849	29	30	50	537,985.22	510,334.10	-5.14
pcb11731	31	30	50	144,298.45	138,627.36	-3.93
d12914	34	30	50	227,818.18	220,659.85	-3.14
rl13044	34	30	50	625,248.77	600,094.69	-4.02
rl13235	35	30	50	809,106.62	772,467.32	-4.53
nrw13796	36	30	50	122,535.22	115,827.27	-5.47
fl14007	37	30	50	115,985.66	114,303.94	-1.45
u14328	38	30	50	311,856.93	29,1862.30	-6.41
fl15772	42	30	50	87,864.91	84,196.58	-4.17