

Results for Valencia-3 instances (BMTSP)

Keld Helsgaun, June 4, 2024

Instance	k	m_min	m_max	BKS	LKH-3	Gap %
eil76	4	18	30	622.35	621.54	-0.13
pr76	4	18	30	151,994.25	150,676.38	-0.87
rat99	5	18	30	1,955.15	1,914.70	-2.07
kroA100	5	18	30	27,333.21	27,318.99	-0.05
kroB100	5	18	30	29,482.27	29,018.96	-1.57
kroC100	5	18	30	29,415.39	29,291.82	-0.42
kroD100	5	18	30	30,507.62	30,229.12	-0.91
kroE100	5	18	30	30,408.76	30,178.84	-0.76
rd100	5	18	30	11,035.21	10,929.21	-0.96
eil101	5	18	30	747.19	736.70	-1.40
lin105	5	18	30	24,649.78	24,222.19	-1.73
pr107	5	18	30	87,369.50	86,895.34	-0.54
pr124	6	18	30	102,935.52	102,751.62	-0.18
bier127	6	18	30	132,024.61	131,655.71	-0.28
ch130	6	18	30	7,765.78	7,640.90	-1.61
pr136	6	18	30	144,234.00	141,034.57	-2.22
pr144	7	18	30	125,066.26	124,525.95	-0.43
ch150	7	18	30	9,937.66	9,763.151	-1.76
kroA150	7	18	30	35,980.26	35,572.47	-1.13
kroB150	7	18	30	38,600.67	38,050.41	-1.43
pr152	7	18	30	160,892.28	160,137.43	-0.47
u159	7	18	30	73,036.83	72,346.81	-0.94
rat195	9	18	30	4,282.17	4,135.39	-3.43
d198	9	18	30	49,874.48	49,285.84	-1.18
kroA200	9	18	30	46,745.02	45,433.67	-2.81
kroB200	9	18	30	45,774.65	44,652.14	-2.45
ts225	10	18	30	261,699.34	254,645.63	-2.70
pr226	10	18	30	231,634.16	227,550.68	-1.76
gil262	12	18	30	5,106.03	4,987.87	-2.31
pr264	12	18	30	128,328.43	124632.59	-2.88
a280	13	18	30	5,894.31	5,698.901	-3.32
pr299	13	18	30	126,388.20	122,288.76	-3.24
lin318	14	18	30	94,977.76	92,166.25	-2.96
rd400	18	18	30	24,410.67	23,387.70	-4.19
fl417	19	18	30	43,869.96	42,581.93	-2.94
pr4390	20	18	30	280,172.75	271,958.90	-2.93
pcb4420	20	18	30	122,433.06	117,843.12	-3.75
d4932	22	18	30	167,506.60	164,910.72	-1.55
u5745	25	18	30	109,228.50	104,833.40	-4.02
rat5755	25	18	30	17,423.96	16,700.22	-4.15
p6549	29	18	30	224,606.82	220,215.71	-1.96
d6579	29	18	30	204,532.89	199,641.92	-2.39
u7242	32	18	30	136,542.76	130,538.14	-4.40

rat7834	34	18	30	27,036.13	25,940.47	-4.05
dsj10004	44	18	30	54,586,882.57	51,400,992.87	-5.84
pr10024	44	18	30	996,842.04	959,195.24	-3.78
u10606	46	18	30	865,199.48	831,054.75	-3.95
vm10847	47	18	30	770,334.01	731,794.28	-5.00
pcb11731	51	18	30	210,517.17	202,752.70	-3.69
d12916	56	18	30	350,154.16	340,129.07	-2.86
rl13047	57	18	30	929,659.68	887,150.96	-4.57
rl13238	58	18	30	1,215,577.55	1,167,253.33	-3.98
nrw13790	60	18	30	175,139.11	166,246.92	-5.08
fl14001	61	18	30	183,438.77	180,409.67	-1.65
u14323	63	18	30	433,133.66	412,980.90	-4.65
fl15779	69	18	30	133,606.06	129,244.47	-3.26