

Overview Of Results- Population Based

Problem	TLBO	Runtime(sec)	BBA	Runtime(sec)	COA	Runtime(sec)
I01-I13	3.54	1610	3.65	7530	2.74	5830
MMKP01	0.267	5.6	0.0575	20	0.0173	13.1
MMKP02	0.632	15.1	0.933	31.3	0.287	40.5
MMKP03	1.36	52.2	3.39	98.8	0.957	184
MMKP04	1.52	11.4	0.995	40.5	0.2	17.2
MMKP05	1.11	17.7	2.05	44.9	0.388	43.8
MMKP06	1.99	59.1	4.54	133	1.47	194
MMKP07	1.93	40.7	0.98	227	0.985	53.5
MMKP08	2.17	37.2	4.06	109	1.21	63
MMKP09	3.75	74.7	7.08	230	3.42	226
MMKP10	2.7	24.6	5.72	61.1	1.94	94.3
MMKP11	5.2	40.1	9.28	158	4.45	242
MMKP12	3.96	65.4	6.62	183	3.43	457
MMKP13	5.43	63.3	8.85	222	4.26	579
MMKP14	5.54	80.5	8.17	288	3.88	882
MMKP15	4.23	115	6.83	263	2.44	1910
MMKP16	3.68	159	6.39	284	1.89	3450
MMKP17	2.88	185	5.92	340	1.32	5230
MMKP18	2.32	220	5.38	324	1.04	7400
MMKP19	2.2	229	1.78	175	0	9880
MMKP20	1.05	276	3.46	243	0.112	13100
Average Dev:	2.74	3380	4.58	11000	1.73	49900