

Overview Of Results- Population Based

Problem	MOSER	HEU	CPCCP	FLTS	RLS	ABC*	BBA	TLBO	GA	COA	MMHPH
I01-I13	32.6	4.96	5.68	4.61	3.64	3.95	3.49	2.38	2.2	2.6	1.98
MMKP01	3.61	4.59	3.49	3.32	1.77	0	0.493	0	0.0173	0	0
MMKP02	2.97	4.31	3.73	3.48	2.73	0.787	0.985	0.195	0.346	0.201	0.26
MMKP03	2.71	2.58	3.3	2.78	2.88	4.02	3.19	0.976	0.564	0.813	0.584
MMKP04	7.22	30.3	8.77	6.65	3.64	0.0995	0.789	0.346	0.324	0.206	0.47
MMKP05	4.42	6.33	6.2	3.21	3.37	1.25	2	0.498	0.26	0.213	0.27
MMKP06	3.84	10.6	4.94	3.14	2.89	5.09	4.46	1.71	1	1.34	0.839
MMKP07	10.2		12	8.15	6.01	0.361	0.885	0.64	1.12	0.21	0.792
MMKP08	8.64		10.3	6.91	4.62	2.46	4.36	0.898	1.03	0.619	1.24
MMKP09	6.91	10.2	8.57	8.06	4.43	7.21	7.28	3.09	2.42	3.01	1.81
MMKP10	32.4	2.18	5	3.61	3.98	6.3	5.69	2.15	1.37	1.76	1.07
MMKP11	32.3	1.35	6.87	7.15	3.46	9.56	8.62	4.99	3.43	3.97	2.05
MMKP12	27.3	0.817	4.58	6.79	3.08	7.98	6.79	3.9	3.31	3.27	2.21
MMKP13	26		5.09	3.07	2.77	9.92	8.82	4.79	3.98	3.86	2.53
MMKP14	17.9	3.88	4.81	2.96	2.41	9.92	8.52	4.56	4.42	3.94	2.79
MMKP15	10.8		1.76	3.02	1.24	8.84	6.83	3.5	3.01	2.36	1.48
MMKP16			2.02	1.97	1.01	8.91	6.09	3.26	2.76	1.79	1.02
MMKP17			0.944	1.4	0.695	7.95	6.05	2.23	2.51	1.22	0.842
MMKP18			2.45	1.82	0.645	7.92	5.24	1.98	1.95	0.997	0.558
MMKP19			0	0	0.0221	3.9	1.62	1.62	1.19	0	0
MMKP20			0.352	0.907	0.742	6.14	3.55	0.825	0.946	0.0607	0.0259
Average Dev:	14.4	6.84	4.8	3.95	2.67	5.36	4.56	2.12	1.82	1.55	1.09