

Dataset for exponential penalty:

Benchmark Data	Known Best Solution		Scheme-1 Largest Degree + Kempe + Pair swap			
			Timeslots	Penalty		
	Timeslots	Penalty		After Largest Degree	After Kempe	After Pair swap
CARF92	32	3.74	34	11.2811	5.1595	4.8817
CARS91	35	4.42	36	13.7227	6.7882	6.5456
KFU93	20	12.96	21	53.9635	17.6141	16.3062
TRE92	23	7.75	22	16.5000	10.9557	10.7259
YOR83	21	34.84	24	63.2487	36.1955	35.6876

Benchmark Data	Known Best Solution		Scheme-2 Saturation Degree + Kempe + Pair swap			
			Timeslots	Penalty		
	Timeslots	Penalty		After Saturation Degree	After Kempe	After Pair swap
CARF92	32	3.74	28	10.5052	6.7081	6.4612
CARS91	35	4.42	31	12.3497	8.1185	7.8848
KFU93	20	12.96	20	50.1060	18.5033	17.4206
TRE92	23	7.75	21	16.5209	11.5183	11.2915
YOR83	21	34.84	22	60.6153	40.5367	40.1573

Benchmark Data	Known Best Solution		Scheme-3 Largest Enrollment + Kempe + Pair swap			
			Timeslots	Penalty		
	Timeslots	Penalty		After Largest Enrollment	After Kempe	After Pair swap
CARF92	32	3.74	35	10.6744	4.9933	4.7126
CARS91	35	4.42	36	13.7795	6.7393	6.4932
KFU93	20	12.96	21	54.5386	18.0770	15.9454
TRE92	23	7.75	22	16.8073	11.0202	10.5644
YOR83	21	34.84	23	63.6950	38.0361	37.7248

Benchmark Data	Known Best Solution		Scheme-4 Random Ordering + Kempe + Pair swap			
			Timeslots	Penalty		
	Timeslots	Penalty		After Random Ordering	After Kempe	After Pair swap
CARF92	32	3.74	43	8.0755	3.9609	3.6845
CARS91	35	4.42	47	8.8792	5.0887	4.8039
KFU93	20	12.96	27	37.5960	12.4732	10.4191
TRE92	23	7.75	29	13.1085	7.7291	7.3507
YOR83	21	34.84	27	52.9490	31.0691	30.9649

Dataset for Linear Penalty:

Benchmark Data	Known Best Solution		Scheme-5 Saturation Degree + Kempe + Pair swap			
			Timeslots	Penalty		
	Timeslots	Penalty		After Saturation Degree	After Kempe	After Pair swap
CARF92	32	3.74	28	6.6107	4.4160	4.3014
CARS91	35	4.42	31	7.9879	5.2170	5.1289
KFU93	20	12.96	20	31.5150	12.5186	11.5969
TRE92	23	7.75	21	10.4468	7.4858	7.3179
YOR83	21	34.84	22	38.4145	26.2997	26.1211