

Paper			Our Results																		Other Results			
Instance			w/ ants no opt			w/out ants no opt			w/ ants first opt			w/out ants first opt			w/ ants second opt			w/out ants second opt			Best So Far			
n	k	number	Best	Avg	SD	Best	Avg	SD	Best	Avg	SD	Best	Avg	SD	Best	Avg	SD	Best	Avg	SD	Best	Avg	SD	
100	10	1	24.3688	30.5942	2.62817	12.503	12.503	0				11.167	12.4762	0.0357	19.893	23.7385	4.9426	11.5294	11.8862	0.0308	7.759	7.768	0.02	ACO
100	10	2	28.5404	30.5912	0.1026	16.2407	16.2407	0				14.3681	16.2032	0.0701	18.3532	23.9089	3.5564	14.0722	14.7562	0.1096	7.71	7.80	0.04	HGA
100	10	3	29.6889	30.6035	1.2609	15.2863	15.2863	0				13.8529	15.2576	0.041	17.8797	23.9314	5.8824	13.0179	13.9115	0.1713	7.73	7.82	0.03	
100	10	4	27.7454	31.1842	1.6027	16.749	16.749	0				16.749	16.749	0	18.6678	24.1114	2.547	14.8618	15.7601	0.1323	7.72	7.94	0.03	
100	10	5	29.9093	31.9927	0.664	12.8978	12.8978	0				12.6	12.8863	0.0013	20.0781	24.674	3.0973	11.8953	12.3713	0.049	7.92	8.02	0.02	
500	20	1																			16.778	16.850	0.03	ACO
500	20	2																			16.626	16.699	0.03	
500	20	3																			16.792	16.844	0.03	
500	20	4																			16.796	16.923	0.04	
500	20	5																			16.421	16.456	0.02	