

March 9, 2017

**Abstract**

**1**

Table 1: Maxit = 100;  $\alpha = 0.5$ ; 1 X 10 instancias; media; arvore

V	GREED		LS		GRASP	
	obser.	tempo (s)	obser.	tempo (s)	obser.	tempo (s)
10	4.2	1	4.1	1	4	1
20	8.4	1	8.1	1	8	1
30	12.2	1	12.1	1	11.9	1
40	16.4	1	16.3	1	16.1	1
50	20.5	1	20.3	1	19.8	1
60	25.4	1	24.9	1	24.5	1
70	30.1	1	29.9	1	28.9	1
80	32.7	1	32.1	1	31.8	1
90	37	1	36.5	1	36.2	1
100	41.9	1	41.2	1	41.3	1
150	63	1	62	1	62.8	1
200	85.7	1	84.8	1	85.8	1
250	106.6	1	105.5	1	108.5	1
300	126.9	1	125	1	130.9	1
350	150.3	1	148	1	154.2	1

Table 2: Maxit = 100;  $\alpha = 0.5$ ; 1 X 10 instancias; media; grafo

V	GREED		LS		GRASP		
	obser.	tempo (s)	obser.	tempo (s)	obser.	tempo (s)	loops
10	6	1	5.9	1	5.8	1	1
20	11.6	1	11.4	1	11.1	1	1
30	18.3	1	18.1	1	16.9	1	1
40	23.8	1	23.4	1	22.3	1	1
50	28.8	1	28.1	1	27.6	1	1
60	36.1	1	35.7	1	34.3	1	1
70	41.9	1	41.7	1	39.3	1	1
80	46.4	1	45.7	1	44.8	1	1
90	52.2	1	51.3	1	51	1	1
100	58.5	1	57.8	1	56.7	1	1

Table 3: Maxit = 100;  $\alpha = 0.1$ ; 1 X 10 instancias; media; grafo

V	GREED		LS		GRASP		
	obser.	tempo (s)	obser.	tempo (s)	obser.	tempo (s)	loops
10	4.2	0	4.1	0	4.1	0.0016	101
20	8.4	0	8.1	0	8	0.0084	101.5
30	12.2	0	12.1	0	11.9	0.0216	103
40	16.4	0	16.3	0	16.1	0.04	104.7
50	20.5	0	20.3	0	19.7	0.066	102.7
60	25.4	0	24.9	0	24.3	0.1136	108.7
70	30.1	0	29.9	0	28.6	0.1828	119
80	32.7	0.0004	32.1	0	31.3	0.286	126
90	37	0.0008	36.5	0.0008	35.3	0.3872	125.4
100	41.9	0.0008	41.2	0	40.2	0.5272	129.4
150	63	0.0008	62	0.0012	60.9	1.8872	142.4
200	85.7	0.0008	84.8	0.0036	83.6	4.7916	138.7
250	106.6	0.002	105.5	0.008	103.8	14.1964	159
300	126.9	0.0044	125	0.0196	123.9	34.302	159.9
350	150.3	0.0064	148	0.0464	146.7	59.822	141.5

Table 4: Maxit = 100;  $\alpha = 0.2$ ; 1 X 10 instancias; media; grafo

V	GREED		LS		GRASP		
	obser.	tempo (s)	obser.	tempo (s)	obser.	tempo (s)	loops
10	4.2	0	4.1	0	4	0.0012	101.6
20	8.4	0	8.1	0	8	0.0092	101.9
30	12.2	0	12.1	0	11.9	0.024	103.9
40	16.4	0.0004	16.3	0	16.1	0.0488	105.8
50	20.5	0	20.3	0	19.7	0.0912	111.8
60	25.4	0	24.9	0	24.3	0.1612	121
70	30.1	0	29.9	0	28.7	0.2532	122.3
80	32.7	0	32.1	0	31.4	0.4544	144.8
90	37	0	36.5	0.0004	35.6	0.5072	114
100	41.9	0.0004	41.2	0.0004	40.2	0.7764	133
150	63	0.0008	62	0.0016	61.4	2.7844	132.7
200	85.7	0.0008	84.8	0.0028	84.2	9.362	157.6
250	106.6	0.002	105.5	0.0064	105.9	26.8912	165.1
300	126.9	0.0048	125	0.0212	125.7	64.6456	165.6
350	150.3	0.0072	148	0.0368	150	132.015	168.6