

Table 1: Resultados comparativos do Algoritmo Genético (Heurísticas misturadas) e da Otimização por Colônia de Formigas (ACO) com 5 formigas e 10 iterações aplicados ao conjunto representativo.

Graph Name	$V(G)$	$E(G)$	$\delta$	$\Delta$	Lower Bound	Upper Bound	Fitness Value (GA)	Fitness Value (ACO)	Elapsed Time GA (seconds)	Elapsed Time ACO (seconds)
can62	62	78	1	6	35	108	82	79	0.228267	0.022901
can256	256	1330	3	82	12	384	86	86	1.736120	0.158954
cycle17	17	17	2	2	-1	25	25	24	0.052888	0.003871
hns511	511	1425	0	12	157	904	603	551	7.184490	7.430710
cycle16	16	16	2	2	-1	24	24	23	0.052775	0.003271
cycle13	13	13	2	2	-1	19	19	19	0.041204	0.002613
can445	445	1682	3	12	136	667	320	279	5.064790	0.819874
can187	187	652	4	9	74	280	128	88	1.040520	0.041397
can715	715	2975	1	104	27	1251	388	333	12.859200	1.605210
can292	292	1124	3	34	33	438	158	149	1.882850	0.215754
cycle18	18	18	2	2	-1	27	27	24	0.058231	0.003983
cycle15	15	15	2	2	-1	22	22	20	0.052367	0.003143
can96	96	336	5	8	42	144	72	48	0.368475	0.016912
cycle20	20	20	2	2	-1	30	29	28	0.063691	0.004681
cycle11	11	11	2	2	-1	16	16	16	0.035910	0.002391
can24	24	68	3	8	10	36	20	20	0.081587	0.003894
sherman4	1104	1341	0	6	630	2493	2292	2181	16.696000	265.805000
can268	268	1407	3	36	28	402	95	128	1.755320	0.213180
can73	73	152	2	8	32	109	83	64	0.260409	0.014020
685bus	685	1282	1	12	210	1198	746	745	13.152700	9.908520
can161	161	608	5	16	37	241	105	76	0.756399	0.041460
cycle12	12	12	2	2	-1	18	18	16	0.041333	0.002404
cycle19	19	19	2	2	-1	28	29	27	0.056977	0.004008
662bus	662	906	1	9	264	1158	809	812	11.234500	9.306150
can61	61	248	4	24	9	91	31	35	0.247898	0.011064
can144	144	576	5	14	38	216	52	66	0.638108	0.043370
can229	229	774	2	12	70	343	172	151	1.301570	0.130698
cycle10	10	10	2	2	-1	15	15	14	0.030068	0.002031
can838	838	4586	5	31	104	1257	417	486	27.023400	11.708000
cycle14	14	14	2	2	-1	21	20	20	0.046913	0.003051
shl200	663	1720	2	439	6	994	492	441	12.213000	4.722800