Resultados Detalhados das Heurísticas Gulosas - Grafos Bipartidos $(a \leq 100, b \leq 100)$

Experimentos de Coloração Harmônica

November 11, 2025

Parâmetros do Grafo			Grau Máximo		Grau Mínimo		Saturação	
Instância (a,b,p,v)	N	M	χ_h	Tempo (s)	χ_h	Tempo (s)	χ_h	Tempo (s)
a100_b100_p1%_v1	200	92	62	4.5819	55	0.0144	63	0.6070
a100_b100_p1%_v2	200	103	69	0.0025	50	0.0021	70	0.0033
a100_b100_p1%_v3	200	100	54	0.0018	52	0.0023	56	0.0042
a100_b100_p1%_v4	200	78	55	0.0016	45	0.0019	58	0.0023
a100_b100_p1%_v5	200	95	59	0.0020	49	0.0018	64	0.0028
a100_b100_p3%_v1	200	306	66	0.0085	76	0.0115	80	0.0114
a100_b100_p3%_v2	200	317	57	0.0046	70	0.0060	73	0.0074
a100_b100_p3%_v3	200	331	68	0.0054	72	0.0062	74	0.0073
a100_b100_p3%_v4	200	289	52	0.0039	70	0.0056	62	0.0056
a100_b100_p3%_v5	200	294	57	0.0040	70	0.0073	63	0.0056
a100_b100_p5%_v1	200	497	48	0.0062	72	0.0072	66	0.0083
a100_b100_p5%_v2	200	488	51	0.0055	74	0.0077	66	0.0078
a100_b100_p5%_v3	200	529	57	0.0066	77	0.0094	69	0.0092
a100_b100_p5%_v4	200	483	57	0.0055	74	0.0083	76	0.0098
a100_b100_p5%_v5	200	479	48	0.0055	65	0.0065	61	0.0072
a100_b100_p10%_v1	200	971	68	0.0122	78	0.0122	83	0.0205
a100_b100_p10%_v2	200	922	61	0.0113	73	0.0178	73	0.0282
a100_b100_p10%_v3	200	1030	67	0.0237	83	0.0229	79	0.0241
a100_b100_p10%_v4	200	992	67	0.0238	79	0.0241	77	0.0190
a100_b100_p10%_v5	200	1020	70	0.0188	82	0.0197	80	0.0185
a100_b100_p20%_v1	200	1973	106	0.0346	124	0.0417	113	0.0515
a100_b100_p20%_v2	200	2003	106	0.0366	125	0.0402	118	0.0449
a100_b100_p20%_v3	200	2018	114	0.0327	122	0.0385	117	0.0494
a100_b100_p20%_v4	200	1982	106	0.0322	120	0.0338	118	0.0464
a100_b100_p20%_v5	200	1952	109	0.0361	120	0.0381	117	0.0363
a100_b100_p30%_v1	200	2897	151	0.0892	148	0.0791	146	0.1177
a100_b100_p30%_v2	200	3016	155	0.0966	150	0.0814	152	0.1413
a100_b100_p30%_v3	200	3048	152	0.1140	151	0.0950	150	0.1233
a100_b100_p30%_v4	200	3080	154	0.1101	151	0.0889	153	0.1376
a100_b100_p30%_v5	200	3024	153	0.1015	148	0.0874	150	0.1228
a100_b100_p40%_v1	200	3953	172	0.1828	166	0.1681	169	0.2875
a100_b100_p40%_v2	200	4048	173	0.2008	167	0.1660	170	0.2491
a100_b100_p40%_v3	200	4017	171	0.1947	166	0.1525	170	0.2506
a100_b100_p40%_v4	200	3932	171	0.2118	166	0.1968	168	0.2908

Instância (a,b,p,v)	N	M	χ_h	Tempo (s)	χ_h	Tempo (s)	χ_h	Tempo (s)
a100_b100_p40%_v5	200	4015	173	0.1860	166	0.1660	172	0.2561
a100_b100_p50%_v1	200	5022	180	0.2684	176	0.2525	179	0.3807
a100_b100_p50%_v2	200	5019	183	0.2673	176	0.2556	179	0.4058
a100_b100_p50%_v3	200	5002	182	0.2736	178	0.2671	180	0.4066
a100_b100_p50%_v4	200	4993	181	0.2789	177	0.2288	181	0.3693
a100_b100_p50%_v5	200	5020	182	0.2919	176	0.3005	180	0.4294
a100_b100_p60%_v1	200	6000	188	0.4321	183	0.3659	188	0.5769
a100_b100_p60%_v2	200	5978	186	0.3705	185	0.4196	186	0.5542
a100_b100_p60%_v3	200	5912	187	0.4710	184	0.3758	185	0.6009
a100_b100_p60%_v4	200	6013	186	0.3842	183	0.4391	186	0.6323
a100_b100_p60%_v5	200	6048	187	0.3091	184	0.3599	188	0.5035
a100_b100_p70%_v1	200	7039	190	0.3056	188	0.3794	190	0.5584
a100_b100_p70%_v2	200	7044	193	0.3581	190	0.3429	192	0.6066
a100_b100_p70%_v3	200	6983	191	0.3710	189	0.3473	189	0.5793
a100_b100_p70%_v4	200	7053	190	0.3272	189	0.3221	193	0.5491
a100_b100_p70%_v5	200	7036	192	0.3534	188	0.3505	191	0.5154
a100_b100_p80%_v1	200	8007	195	0.3277	191	0.2836	194	0.5157
a100_b100_p80%_v2	200	7988	195	0.2870	192	0.3327	194	0.6250
a100_b100_p80%_v3	200	8012	195	0.3535	192	0.2825	194	0.6383
a100_b100_p80%_v4	200	7973	195	0.2773	192	0.2902	192	0.6146
a100_b100_p80%_v5	200	7992	195	0.3620	192	0.2997	194	0.5250
a100_b100_p90%_v1	200	9021	197	0.3330	195	0.2289	197	0.5491
a100_b100_p90%_v2	200	8994	196	0.2545	195	0.2539	197	0.5168
a100_b100_p90%_v3	200	9045	198	0.2914	194	0.2188	197	0.4622
a100_b100_p90%_v4	200	8972	196	0.2354	196	0.3281	196	0.4799
a100_b100_p90%_v5	200	9008	197	0.2343	195	0.2414	197	0.4432