Vertex Cover Algorithm - Benchmark Results

Benchmarks	V	Optimal MVC	τ(G)	α(G)	ω(G)	t
jhonson8_2_4	28	24	24	4	7	0.0875s
graph50_6	50	38	38	12	10	0.0388s
graph50_10	50	35	35	15	7	0.0323s
Hamming6_2	64	32				
Hamming6_4	64	60	248	8	16	1.0397s
jhonson8_4_4	70	56	62	8	5	0.0402s
graph100_1	100	60	60	40	18	0.1544s
graph100_10	100	70	70	30	33	0.0199s
jhonson16_2_4	120	112	112	8	15	0.1051s
c125	125	91	93	32	3	0.0702s
keller4	171	160	164	7	8	0.4401s
graph200_5	200	150	150	50	8	0.5395s
broc200_2	200	188	193	7	8	0.5234s
broc200_4	200	183	195	5	12	0.6307s
cfat200_1	200	188	188	12	18	0.1548s
cfat200_2	200	176	176	24	9	0.7470s
cfat200_5	200	142	142	58	3	0.5569s
gen200_p0.9_44	**200**	**156**				
sanr200-0.7	200	182	184	16	6	0.1715s
C250	250	206	211	39	5	0.4252s
Hamming8_2	256	128				
Hamming8_4	256	240	248	8	16	1.0281s
phat300_1_c	**300**	**292**	**265**	**35**	**7**	**0.9051s**
phat300_2_c	**300**	**275**	**276**	**24**	**22**	**1.3136s**
mann_a27	**378**	**252**	**375**	**3**	**117**	**3.7122s**
sanr400_0.5	**400**	**387**	**392**	**8**	**9**	**2.8357s**
sanr400_0.7	**400**	**379**	**384**	**16**	**6**	**2.2987s**
jhonson32_2_4_c	479	480	480	16	31	2.9413s
graph500_1	500	350	350	150	10	5.1758s
graph500_2	500	400	400	100	28	7.0430s
graph500_5	500	290	290	210	43	5.9931s
cfat500_1	500	486	486	14	39	8.0166s