Graph name	Optimal	#Nodes	Compliment Graph #Edges	Edges Density	Our MIS Size	Gap	Time budget (seconds)	Difference in nodes
c-fat500-1	14	500	120291	0.9600	14	0.0000	5.00	0
c-fat500-2	26	500	115611	0.9267	26	0.0000	5.00	0
c-fat200-1	12	200	18366	0.9229	12	0.0000	5.00	0
c-fat200-2	24	200	16665	0.8374	24	0.0000	5.00	0
c-fat500-5	64	500	101559	0.8141	64	0.0000	5.00	0
p_hat300-1	8	300	33917	0.7562	8	0.0000	5.00	0
p_hat1000-1	10	1000	377247	0.7552	10	0.0000	5.00	0
p_hat700-1	11	700	183651	0.7507	11	0.0000	5.00	0
p_hat500-1	9	500	93181	0.7469	9	0.0000	5.00	0
p_hat1500-1	12	1500	839327	0.7466	11	0.0833	10.00	-1
hamming6-4	4	64	1312	0.6508	4	0.0000	5.00	0
c-fat500-10	126	500	78123	0.6262	126	0.0000	5.00	0
c-fat200-5	58	200	11427	0.5742	58	0.0000	5.00	0
p_hat300-2	25	300	22922	0.5111	25	0.0000	5.00	0
p_hat1000-2	46	1000	254701	0.5099	46	0.0000	5.00	0
brock200_2	12	200	10024	0.5037	11	0.0833	5.00	-1
p_hat700-2	44	700	122922	0.5024	44	0.0000	5.00	0
DSJC1000_5	15	1000	249674	0.4998	15	0.0000	28.00	0
C2000.5	16	2000	999164	0.4998	15	0.0625	28.00	-1
sanr400_0.5	13	400	39816	0.4989	13	0.0000	5.00	0
DSJC500_5	13	500	62126	0.4980	13	0.0000	5.00	0
p_hat500-2	36	500	61804	0.4954	36	0.0000	5.00	0
p_hat1500-2	65	1500	555290	0.4939	65	0.0000	10.00	0
johnson8-2-4	4	28	168	0.4444	4	0.0000	5.00	0
brock200_3	15	200	7852	0.3946	14	0.0667	5.00	-1
hamming8-4	16	256	11776	0.3608	16	0.0000	5.00	0
keller4	11	171	5100	0.3509	11	0.0000	5.00	0
brock800_1	23	800	112095	0.3507	20	0.1304	5.00	-3
brock200_4	17	200	6811	0.3423	16	0.0588	5.00	-1
sanr200_0.7	18	200	6032	0.3031	18	0.0000	5.00	0
san200_0.7_1	30	200	5970	0.3000	30	0.0000	5.00	0
sanr400_0.7	21	400	23931	0.2999	21	0.0000	5.00	0
p_hat1000-3	68	1000	127754	0.2558	67	0.0147	28.00	-1
p_hat300-3	36	300	11460	0.2555	36	0.0000	5.00	0
brock200_1	21	200	5066	0.2546	21	0.0000	5.00	0
p_hat700-3	62	700	61640	0.2520	62	0.0000	5.00	0
brock400_1	27	400	20077	0.2516	25	0.0741	5.00	-2
p_hat500-3	50	500	30950	0.2481	50	0.0000	5.00	0
p_hat1500-3	94	1500	277006	0.2464	93	0.0106	28.00	-1
johnson16-2-4	8	120	1680	0.2353	8	0.0000	5.00	0
johnson8-4-4	14	70	560	0.2319	14	0.0000	5.00	0
frb30-15-2	30	450	17874	0.1769	30	0.0000	16.00	0
frb30-15-4	30	450	17831	0.1765	30	0.0000	16.00	0
frb30-15-1	30	450	17827	0.1765	30	0.0000	16.00	0
frb30-15-3	30	450	17809	0.1763	29	0.0333	16.00	-1
frb30-15-5	30	450	17794	0.1761	29	0.0333	16.00	-1
hamming10-4	40	1024	89600	0.1711	40	0.0000	5.00	0
frb35-17-5	35	595	28143	0.1593	34	0.0286	5.00	-1
frb35-17-3	35	595	27931	0.1581	33	0.0571	5.00	-2
frb35-17-1	35	595	27856	0.1576	33	0.0571	5.00	-2
frb35-17-2	35	595	27847	0.1576	33	0.0571	5.00	-2
frb35-17-4	35	595	27842	0.1576	33	0.0571	5.00	-2

frb40-19-5	40	760	41619	0.1443	36	0.1000	5.00	-4
frb40-19-4	40	760	41605	0.1443	37	0.0750	5.00	-3
frb40-19-1	40	760	41314	0.1432	37	0.0750	5.00	-3
frb40-19-2	40	760	41263	0.1431	36	0.1000	5.00	-4
frb40-19-3	40	760	41095	0.1425	36	0.1000	5.00	-4
johnson32-2-4	16	496	14880	0.1212	16	0.0000	5.00	0
sanr200_0.9	42	200	2037	0.1024	42	0.0000	5.00	0
C125.9	34	125	787	0.1015	34	0.0000	5.00	0
C250.9	44	250	3141	0.1009	44	0.0000	5.00	0
gen400_p0.9_75	75	400	7980	0.1000	75	0.0000	5.00	0
gen400_p0.9_55	55	400	7980	0.1000	52	0.0545	5.00	-3
gen200_p0.9_44	44	200	1990	0.1000	42	0.0455	5.00	-2
gen200_p0.9_55	55	200	1990	0.1000	55	0.0000	5.00	0
san200_0.9_2	60	200	1990	0.1000	60	0.0000	5.00	0
san400_0.9_1	100	400	7980	0.1000	100	0.0000	5.00	0
san200_0.9_1	70	200	1990	0.1000	70	0.0000	5.00	0
san200_0.9_3	44	200	1990	0.1000	44	0.0000	5.00	0
gen400_p0.9_65	65	400	7980	0.1000	65	0.0000	5.00	0
C500.9	57	500	12418	0.0995	56	0.0175	5.00	-1
C1000.9	68	1000	49421	0.0989	65	0.0441	5.00	-3
hamming6-2	32	64	192	0.0952	32	0.0000	5.00	0
MANN_a9	16	45	72	0.0727	16	0.0000	5.00	0
hamming8-2	128	256	1024	0.0314	128	0.0000	5.00	0
hamming10-2	512	1024	5120	0.0098	512	0.0000	5.00	0