Graph name	Optimal	#Nodes	Compliment Graph #Edges	Edges Density	Our MIS Size	Our Gap	MISB MC Solver	MISB MC Solver Gap
c-fat500-1	14	500	120291	0.964256513	14	0	14	0
c-fat500-2	26	500	115611	0.926741483	26	0	26	0
c-fat200-1	12	200	18366	0.922914573	12	0	12	0
c-fat200-2	24	200	16665	0.837437186	24	0	24	0
c-fat500-5	64	500	101559	0.8141002	64	0	64	0
p_hat300-1	8	300	33917	0.756231884	8	0	8	0
hamming6-4	4	64	1312	0.650793651	4	0	4	0
c-fat500-10	126	500	78123	0.626236473	126	0	126	0
c-fat200-5	58	200	11427	0.574221106	58	0	58	0
p_hat300-2	25	300	22922	0.511081382	25	0	24	0.04
brock200_2	12	200	10024	0.503718593	11	0.083333	11	0.083333
sanr400_0.5	13	400	39816	0.498947368	13	0	13	0
p_hat500-2	36	500	61804	0.495422846	36	0	36	0
johnson8-2-4	4	28	168	0.444444444	4	0	4	0
hamming8-4	16	256	11776	0.360784314	16	0	16	0
keller4	11	171	5100	0.350877193	11	0	11	0
sanr200_0.7	18	200	6032	0.303115578	18	0	16	0.111111
sanr400_0.7	21	400	23931	0.299887218	21	0	19	0.095238
p_hat300-3	36	300	11460	0.255518395	36	0	34	0.055556
brock200_1	21	200	5066	0.254572864	21	0	19	0.095238
brock400_1	27	400	20077	0.251591479	25	0.074074	23	0.148148
brock400_2	29	400	20014	0.250802005	25	0.137931	23	0.206897
p_hat500-3	50	500	30950	0.248096192	50	0	47	0.06
johnson16-2-4	8	120	1680	0.235294118	8	0	8	0
johnson8-4-4	14	70	560	0.231884058	14	0	14	0
sanr200_0.9	42	200	2037	0.102361809	42	0	39	0.071429
gen200_p0.9_44	44	200	1990	0.1	42	0.045455	39	0.113636
gen200_p0.9_55	55	200	1990	0.1	55	0	49	0.109091
hamming6-2	32	64	192	0.095238095	32	0	32	0
MANN_a9	16	45	72	0.072727273	16	0	16	0
hamming8-2	128	256	1024	0.031372549	128	0	128	0