

Dataset	k	Undercover												BMF									
		FastUndercover		OptiBlock		OptiBlock*		IterEss		Tile		GreConD+		MP		k-greedy		Asso		MEBF		CG	
		Errors	Time (s)	Errors	Time (s)	Errors	Time (s)	Errors	Time (s)	Errors	Time (s)	Errors	Time (s)	Errors	Time (s)	Errors	Time (s)	Errors	Time (s)	Errors	Time (s)	Errors	Time (s)
Audio	50	371	0.2	338	17.9	329	10.7	1652	0.2	411	0.2	1539	5.9	341	84.2	629	11.6	871	80.9	1355	0.2	1122	32.3
	100	191	0.3	166	91.9	166	27.6	1052	0.2	209	0.2	198	79.5	1105	229.4	488	23.8	631	160.5	1355	0.1	183	70.3
	150	123	0.4	100	80.6	86	116.1	492	0.2	151	0.2	126	114.7	1186	310.2	423	35.3	498	226.5	1355	0.1	82	187.6
Autism	39	1096	0.7	947	20.7	934	8.7	1122	0.2	1181	0.1	1173	25.2	989	203.2	2155	27.4	3050	33.8	4714	0.4	1952	58.2
	78	245	0.8	202	43.1	194	21.7	249	0.2	277	0.1	271	47.8	479	359.7	1402	56.0	2745	67.8	4176	0.8	768	115.3
	117	53	0.9	43	53.0	41	39.6	53	0.3	61	0.2	57	71.0	2702	534.5	1188	76.4	2630	95.7	3741	1.3	272	173.2
Balance	6	2049	0.1	2049	1.1	2049	0.4	2049	0.0	2049	0.0	2049	0.1	2250	11.5	2049	3.1	2157	0.7	2357	0.2	2049	5.5
	12	1299	0.1	1299	1.2	1299	0.4	1299	0.0	1299	0.0	1299	0.2	1383	4.3	1299	6.4	1651	1.3	2267	0.3	1299	9.5
	18	549	0.1	549	1.7	549	0.4	549	0.0	549	0.0	549	0.3	625	8.8	549	10.5	1213	1.9	2177	0.4	549	13.2
Breast	23	1788	0.2	1804	12.9	1755	3.5	1979	0.2	2015	0.2	1974	6.1	1912	78.9	2009	14.9	2351	10.0	3978	0.2	2044	23.9
	46	808	0.3	780	18.6	782	6.6	963	0.1	1035	0.3	988	10.4	893	131.5	1180	27.5	1736	20.3	3730	0.4	1122	44.7
	69	208	0.3	207	26.9	203	10.7	341	0.1	404	0.3	377	15.5	478	192.1	676	41.5	1434	29.2	3592	0.3	449	66.5
Car	6	8006	0.2	7676	29.1	7676	14.2	8006	0.1	8006	0.0	8006	0.3	7782	9.9	8000	8.8	8298	0.7	10250	1.2	7674	33.6
	12	4838	0.3	4608	23.0	4608	6.5	4838	0.1	4838	0.0	4838	0.6	5475	20.2	4976	17.3	6203	1.5	8791	2.0	4608	33.7
	18	2246	0.4	2016	20.5	2060	3.0	2246	0.1	2246	0.0	2246	0.9	2561	26.1	2384	26.9	4395	2.3	7385	2.5	2064	42.4
Chess	10	11335	1.6	10435	19.7	10454	14.9	11332	0.1	10435	0.2	10435	1.9	11089	58.1	11930	27.6	11082	2.6	15499	1.4	10751	72.5
	20	4220	1.8	3438	29.4	3023	9.0	3052	0.1	3809	0.3	3809	4.0	4081	158.2	8597	54.2	8353	5.3	13649	2.6	7502	110.1
	30	1346	1.9	453	44.8	453	10.4	453	0.1	1308	0.3	1353	6.5	644	148.8	6913	80.0	7882	8.4	12650	3.5	5087	163.1
Cmc	18	3194	0.5	2994	10.7	2994	7.1	3114	0.1	3234	0.1	3234	4.3	3377	44.1	4175	22.5	5342	6.4	8270	1.4	3735	48.3
	36	1314	0.6	1104	16.4	1104	8.3	1196	0.1	1200	0.1	1200	8.9	1413	184.3	2387	46.9	4375	12.9	7796	1.6	2081	82.7
	54	391	0.6	279	25.2	279	12.6	346	0.1	347	0.1	347	14.1	1390	258.3	1476	66.8	3956	20.6	7474	1.9	722	120.3
Dermatology	49	2510	0.9	2193	920	2080	42.1	2435	0.7		> 30000	2372	36.3	2152	144.1	4498	18.4	4767	63.9	7595	0.3	3177	85.7
	98	804	1.0	594	1119	538	45.1	732	0.8		> 30000	840	67.1	527	285.6	3739	35.7	4398	129.0	6837	0.6	2175	113.3
	147	236	1.1	75	1317	82	93.3	196	0.8		> 30000	294	96.3	394	448.5	3469	53.4	4323	192.1	6837	0.5	1631	203.4
Flare	11	2027	0.3	1662	6.2	1953	1.8	1669	0.1	1699	0.1	1684	1.3	1703	38.9	2195	10.1	2263	3.1	4674	0.2	1910	14.1
	22	284	0.4	272	8.7	241	2.3	429	0.1	354	0.2	346	2.2	352	62.4	1323	20.7	1783	6.0	3130	0.3	730	24.4
	33	33	0.4	25	11.7	15	8.0	95	0.1	81	0.2	82	3.6	15	88.9	1108	30.8	1728	8.7	2716	0.3	294	40.3
Heart	68	760	0.4	728	36.0	728	17.4	799	0.6	795	0.0	795	107.6	13430	317.2	1117	21.3	1575	144.4	2156	0.7	741	56.9
	136	419	0.5	402	90.1	401	47.1	462	0.6	441	0.1	444	206.9	1672	381.7	780	44.5	1255	258.2	1736	0.9	401	126.1
	204	222	0.6	208	166	208	186.6	248	0.6	231	0.1	234	306.2	44036	450.6	576	65.7	1092	363.9	1736	1.0	208	324.9
Hepatitis	39	554	0.2	535	8.6	534	4.1	713	0.1	551	0.0	551	27.0	924	95.1	649	7.3	757	58.6	1109	0.0	578	17.9
	78	343	0.2	326	19.8	325	14.2	417	0.1	345	0.0	344	53.0	10399	140.3	435	14.7	530	127.3	1109	0.0	327	39.2
	117	180	0.2	156	43.2	153	75.5	184	0.1	186	0.0	189	78.4	865	118.7	271	22.7	345	181.6	1109	0.0	154	118.3
Iris	32	288	0.1	282	1.9	282	1.2	284	0.0	287	0.0	282	3.2	401	25.7	287	4.8	332	17.7	489	0.2	287	7.2
	64	122	0.1	117	4.5	117	2.9	119	0.0	121	0.0	117	6.8	720	31.3	127	9.2	220	36.2	483	0.3	117	14.2
	96	37	0.1	33	6.9	32	10.1	37	0.0	36	0.0	34	10.9	7769	29.2	42	14.1	155	52.9	483	0.3	32	26.8
LungCancer	8	929	0.1	870	36.3	866	5.5	1098	0.0	894	2053	950	0.3	654	3.8	757	0.4	805	6.3	1016	0.0	716	12.2
	16	609	0.1	520	32.5	515	2.0	725	0.0	575	5141	634	0.6	409	4.6	605	1.1	686	12.2	902	0.0	597	5.5
	24	353	0.1	222	29.3	240	0.6	358	0.0	358	5464	412	1.0	199	5.6	494	1.1	617	17.2	834	0.0	513	2.6
Lymph	14	766	0.1	755	1.0	754	0.5	761	0.0	755	0.1	753	0.4	712	6.1	823	1.9	977	3.7	1212	0.0	792	3.2
	28	275	0.1	276	2.0	229	1.1	283	0.0	292	0.2	288	0.8	295	6.6	545	3.9	852	6.9	1027	0.0	463	5.8
	42	73	0.1	50	3.0	33	1.2	83	0.0	103	0.2	94	1.2	44	12.4	437	5.6	834	12.6	914	0.1	282	7.7
Mushroom Completed	28	39560	48.5	31314	10338	31226	1483	33852	2.4	33208	119	33844	176.5	38129	1316.9	50504	194	68000	93.6	75411	21.7	34347	4552.7
	56	12264	53.9	8008	5709	7596	460	9732	2.5	10176	143	9364	337.4	15139	2596.8	35099	384	61954	181.0	65851	36.7	25499	4894.2
	84	2194	50.7	428	5474	436	587	708	2.6	1554	141	1280	471.7	518	4130.8	31316	633	60704	267.9	63217	50.7	19522	8575.1
Nursery	8	73440	5.6	68004	1915	68004	1723	68004	0.7	68004	0.6	69120	4.2	70016	156.7	67720	91.6	71154	2.5	93284	20.7	67720	2387.6
	16	35970	9.0	36216	1513	35970	78.0	36216	0.7	36216	0.8	36684	9.3	41466	375.4	39640	185	45642	5.3	78410	30.5	38286	1220.3
	24	10698	10.0	11028	1878	10698	53.2	11028	0.7	11028	0.9	12708	15.4	11676	382.1	17391	308	26720	8.0	69698	39.8	17391	1774.1
Phishing	7	6029	0.3	6026	3.2	6029	1.6	6029	0.1	6026	0.1	6029	0.4	5623	32.2	5731	8.5	6299	1.0	7540	0.3	5550	13.6
	14	3043	0.4	2931	4.9	2999	5.0	3043	0.1	2937	0.2	3027	0.8	3184	50.0	3414	15.9	4977	2.0	6713	0.6	3036	26.7
	21	1253	0.5	1111	4.9	806	3.7	1199	0.1	1172	0.2	1218	1.1	2006	65.4	2411	23.7	4617	3.0	6134	0.9	2420	33.2

Dataset	k	Undercover												BMF									
		FastUndercover		OptiBlock		OptiBlock*		IterEss		Tile		GreConD+		MP		k-greedy		Asso		MEBF		CG	
		Errors	Time (s)	Errors	Time (s)	Errors	Time (s)	Errors	Time (s)	Errors	Time (s)	Errors	Time (s)	Errors	Time (s)	Errors	Time (s)	Errors	Time (s)	Errors	Time (s)	Errors	Time (s)
Soybean	25	1968	0.3	1727	25.8	1729	17.1	2081	0.1	1913	31.4	1955	3.9	1745	52.8	2212	7.2	2519	12.5	3311	0.1	1912	28.2
	50	775	0.3	510	33.5	548	8.8	786	0.1	734	35.0	739	8.0	504	90.4	1427	14.3	2078	25.1	2896	0.1	968	29.5
	75	259	0.3	34	35.7	33	16.2	175	0.1	183	36.5	172	13.3	28	121.0	1229	21.7	2032	37.7	2755	0.2	647	46.3
Student	44	3408	0.5	3224	161	3213	18.3	3413	0.4	3400	6.9	3400	21.6	3312	193.3	4077	18.8	5232	38.6	7317	0.4	3860	47.6
	88	1230	0.6	995	190	967	19.8	1223	0.4	1234	7.9	1227	42.9	1025	339.5	2237	38.7	4195	77.2	6340	0.4	1852	72.7
	132	227	0.7	125	250	125	33.1	271	0.4	305	7.8	298	69.0	340	514.4	1529	54.4	3825	116.2	6104	0.6	661	114.8
ThoracicSurgery	85	662	0.6	626	42.8	626	36.1	647	0.7	647	0.0	652	174.8	29724	766.6	905	42.8	1474	127.4	2033	1.1	626	122.0
	170	233	0.9	218	117	219	100	229	0.7	227	0.0	230	341.3	1200	878.3	491	91.9	1154	255.4	2008	1.5	218	250.6
	255	54	1.0	49	234	51	201	52	0.7	64	0.1	58	532.5	42167	1151.0	315	141.8	980	384.1	2008	1.2	49	432.5
Tictactoe	7	6068	0.2	6062	7.1	6062	7.0	6062	0.0	6062	0.0	6068	0.2	5807	7.9	5963	5.9	6175	0.9	6846	0.3	5963	15.7
	14	3588	0.3	3588	7.0	3588	1.4	3588	0.1	3588	0.0	3588	0.5	3788	13.3	4366	11.5	4436	1.8	6085	0.4	4366	15.2
	21	1518	0.3	1518	7.5	1518	1.4	1518	0.1	1518	0.0	1518	0.8	2283	48.6	3098	18.0	3299	2.7	5406	0.4	3098	21.3
Tumor	11	788	0.1	727	1.0	744	0.6	821	0.0	848	0.0	838	0.4	722	4.0	850	4.8	995	2.2	1312	0.1	771	5.0
	22	297	0.1	268	1.7	229	0.6	275	0.0	356	0.0	336	0.8	247	10.2	502	6.6	799	4.3	1192	0.1	441	8.5
	33	75	0.1	49	1.9	43	1.2	65	0.0	119	0.0	93	1.3	47	12.7	337	10.3	746	6.4	1092	0.1	250	11.7
Vote	4	1703	0.1	1306	0.4	1306	0.5	2055	0.0	1451	0.0	1463	0.0	961	3.6	984	1.6	1006	0.3	1227	0.0	984	2.6
	8	968	0.1	629	0.6	629	0.3	1293	0.0	781	0.0	863	0.1	469	4.8	720	3.2	886	0.7	990	0.0	690	4.1
	12	597	0.1	285	0.6	279	0.3	601	0.0	420	0.0	478	0.1	224	3.7	615	4.9	886	1.0	978	0.0	615	5.4
Wine	45	1766	0.7	1766	16.7	1766	12.0	1862	0.6	1766	0.1	1766	475.5	21648	612.5	1766	17.5	1768	249.3	2446	0.3	1766	85.8
	90	1181	0.9	1181	37.7	1181	27.9	1232	0.6	1181	0.1	1181	895.7	2274	1037.0	1181	41.8	1183	510.2	2446	0.2	1179	171.6
	135	596	1.0	576	162	576	97.6	602	0.6	596	0.2	596	1404.7	38478	1575.6	596	59.6	598	824.9	2446	0.3	572	393.4
Zoo	7	192	0.0	170	0.1	173	0.1	176	0.0	171	0.0	178	0.0	165	0.7	152	0.7	168	1.2	214	0.0	138	1.5
	14	86	0.0	47	0.1	48	0.1	52	0.0	66	0.0	63	0.1	52	0.9	88	1.4	143	1.8	161	0.0	84	2.2
	21	17	0.0	8	0.2	6	0.1	11	0.0	18	0.0	17	0.2	6	1.8	67	2.1	143	2.5	161	0.0	57	2.9
Total Time (minute)			3.5		544		98		0.4		220		107		372		59		96		4.0		469