

Instances	V	E	ub*	K	N
myciel3	11	20	21	6	66
myciel4	23	71	45	7	161
myciel5	47	236	93	8	376
myciel6	95	755	189	9	855
myciel7	191	2360	381	10	1910
anna	138	493	276	13	1794
david	87	406	237	13	1131
games120	120	638	443	10	1200
huck	74	301	243	13	962
jean	80	254	217	12	960
miles250	128	387	325	10	1280
miles500	128	1170	705	22	2816
queen5.5	25	160	75	7	175
queen6.6	36	290	138	9	324
queen7.7	49	476	196	9	441
queen8.8	64	728	291	10	640
DSJC125.1	125	736	326	8	1000
DSJC125.5	125	3891	1012	22	2750
DSJC125.9	125	6961	2503	50	6250
DSJC250.1	250	3218	970	12	3000
DSJC250.5	250	15668	3210	35	8750
DSJC250.9	250	27897	8277	80	20000
DSJC500.1	500	12458	2836	16	8000
DSJC500.5	500	62624	10886	56	28000
DSJC1000.1	1000	49629	8991	29	29000
flat1000_50	1000	245000	25500	52	52000
flat1000_60	1000	245830	30100	64	64000
flat1000_76	1000	246708	37164	84	84000

Table 1 Problem characteristics