

filename	params	status	time	value	upper_bound	gap	nodes	nodes_left	bidders	items	edges	columns	binaries	rows	relax_time	relax_value
p-b=100-i=300-e=1600-q=200-d=0.25.0	-H	Optimal	2.2481	1326.5	1326.5	7.3949e-05	543	7	100	300	1600	3456	1600	4900	0.048003	1341.1
p-b=100-i=300-e=1600-q=200-d=0.25.0	-P	Optimal	1.2481	1326.5	1326.6	8.4069e-05	469	11	100	300	1600	1956	1600	3400	0.016001	1376.3
p-b=100-i=300-e=1600-q=200-d=0.25.0	-U	Optimal	1.3681	1326.5	1326.6	8.6976e-05	710	8	100	300	1600	1956	1600	3300	0.016001	1376.3
p-b=100-i=300-e=1600-q=200-d=0.25.1	-H	Optimal	1.9601	1355.5	1355.6	9.3475e-05	253	7	100	300	1600	3450	1600	4900	0.040003	1378.7
p-b=100-i=300-e=1600-q=200-d=0.25.1	-P	Optimal	5.6284	1355.5	1355.6	9.7364e-05	2876	36	100	300	1600	1950	1600	3400	0.016001	1424.7
p-b=100-i=300-e=1600-q=200-d=0.25.1	-U	Optimal	3.1122	1355.5	1355.6	9.9043e-05	1923	46	100	300	1600	1950	1600	3300	0.012	1424.7
p-b=100-i=300-e=1600-q=200-d=0.25.2	-H	Optimal	1.8201	1336	1336.2	9.3444e-05	275	9	100	300	1600	3452	1600	4900	0.060004	1363.3
p-b=100-i=300-e=1600-q=200-d=0.25.2	-P	Optimal	5.4363	1336	1336.1	7.8208e-05	520	36	100	300	1600	1952	1600	3400	0.024001	1418.1
p-b=100-i=300-e=1600-q=200-d=0.25.2	-U	Optimal	5.5843	1336	1336.1	1.8344e-05	1415	564	100	300	1600	1952	1600	3300	0.016001	1418.1
p-b=100-i=300-e=1600-q=200-d=0.25.3	-H	Optimal	1.0401	1316.3	1316.4	8.7716e-05	25	3	100	300	1600	3461	1600	4900	0.064004	1325.6
p-b=100-i=300-e=1600-q=200-d=0.25.3	-P	Optimal	0.58004	1316.3	1316.3	0	109	0	100	300	1600	1961	1600	3400	0.020001	1362.3
p-b=100-i=300-e=1600-q=200-d=0.25.3	-U	Optimal	0.45203	1316.3	1316.3	1.6025e-05	93	1	100	300	1600	1961	1600	3300	0.016001	1362.3
p-b=100-i=300-e=1600-q=200-d=0.25.4	-H	Optimal	6.7924	1300.9	1301	9.859e-05	2044	47	100	300	1600	3444	1600	4900	0.048003	1327.8
p-b=100-i=300-e=1600-q=200-d=0.25.4	-P	Optimal	8.5725	1300.9	1301	8.9065e-05	1501	143	100	300	1600	1944	1600	3400	0.020001	1376.6
p-b=100-i=300-e=1600-q=200-d=0.25.4	-U	Optimal	4.2443	1300.9	1301	9.7847e-05	2241	66	100	300	1600	1944	1600	3300	0.016001	1376.6
p-b=100-i=300-e=1600-q=200-d=0.25.5	-H	Optimal	0.88406	1292.1	1292.2	9.8646e-05	83	2	100	300	1600	3459	1600	4900	0.040002	1304.5
p-b=100-i=300-e=1600-q=200-d=0.25.5	-P	Optimal	2.2481	1292.1	1292.2	7.9445e-05	1181	12	100	300	1600	1959	1600	3400	0.016001	1343.3
p-b=100-i=300-e=1600-q=200-d=0.25.5	-U	Optimal	2.2921	1292.1	1292.2	9.3484e-05	1526	21	100	300	1600	1959	1600	3300	0.016001	1343.3
p-b=100-i=300-e=1600-q=200-d=0.25.6	-H	Optimal	0.80405	1299.2	1299.2	6.8044e-05	54	2	100	300	1600	3450	1600	4900	0.036002	1309.2
p-b=100-i=300-e=1600-q=200-d=0.25.6	-P	Optimal	0.68404	1299.2	1299.2	4.7781e-05	223	2	100	300	1600	1950	1600	3400	0.020001	1349
p-b=100-i=300-e=1600-q=200-d=0.25.6	-U	Optimal	1.2801	1299.2	1299.3	9.3716e-05	753	13	100	300	1600	1950	1600	3300	0.016001	1349
p-b=100-i=300-e=1600-q=200-d=0.25.7	-H	Optimal	1.7321	1328.9	1329	8.9032e-05	236	7	100	300	1600	3446	1600	4900	0.048003	1348.5
p-b=100-i=300-e=1600-q=200-d=0.25.7	-P	Optimal	2.5362	1328.9	1329	8.6817e-05	992	18	100	300	1600	1946	1600	3400	0.024002	1396.1
p-b=100-i=300-e=1600-q=200-d=0.25.7	-U	Optimal	1.0761	1328.9	1329	7.1042e-05	417	4	100	300	1600	1946	1600	3300	0.012001	1396.1
p-b=100-i=300-e=1600-q=200-d=0.25.8	-H	Optimal	0.73205	1387.5	1387.5	6.7891e-05	58	3	100	300	1600	3455	1600	4900	0.044003	1402.3
p-b=100-i=300-e=1600-q=200-d=0.25.8	-P	Optimal	0.76805	1387.5	1387.6	8.9882e-05	139	3	100	300	1600	1955	1600	3400	0.024001	1439.7
p-b=100-i=300-e=1600-q=200-d=0.25.8	-U	Optimal	1.0441	1387.5	1387.6	9.5401e-05	464	10	100	300	1600	1955	1600	3300	0.020001	1439.7
p-b=100-i=300-e=1600-q=200-d=0.25.9	-H	Optimal	3.3362	1368.3	1368.4	9.8839e-05	931	24	100	300	1600	3459	1600	4900	0.036003	1395.7
p-b=100-i=300-e=1600-q=200-d=0.25.9	-P	Optimal	7.6205	1368.3	1368.3	0	1036	0	100	300	1600	1959	1600	3400	0.024002	1448.7
p-b=100-i=300-e=1600-q=200-d=0.25.9	-U	Optimal	3.1162	1368.3	1368.4	9.1914e-05	1478	31	100	300	1600	1959	1600	3300	0.016001	1448.7
p-b=150-i=250-e=1600-q=200-d=0.25.0	-H	Optimal	10.017	2726.1	2726.3	9.4144e-05	1426	584	150	250	1600	3420	1600	4950	0.052003	2795.8
p-b=150-i=250-e=1600-q=200-d=0.25.0	-P	Optimal	7.4845	2726.1	2726.1	0	1042	0	150	250	1600	1970	1600	3500	0.016001	2924
p-b=150-i=250-e=1600-q=200-d=0.25.0	-U	Optimal	6.7404	2726.1	2726.1	-3.3363e-16	945	0	150	250	1600	1970	1600	3350	0.008001	2924
p-b=150-i=250-e=1600-q=200-d=0.25.1	-H	Optimal	75.789	2740.2	2740.5	9.9837e-05	9003	161	150	250	1600	3413	1600	4950	0.052003	2898.2
p-b=150-i=250-e=1600-q=200-d=0.25.1	-P	Optimal	242.84	2740.2	2740.5	9.9944e-05	83578	842	150	250	1600	1963	1600	3500	0.024001	3013.3
p-b=150-i=250-e=1600-q=200-d=0.25.1	-U	Optimal	133.08	2740.2	2740.5	9.9869e-05	23602	284	150	250	1600	1963	1600	3350	0.016001	3013.3
p-b=150-i=250-e=1600-q=200-d=0.25.2	-H	Optimal	24.006	2649.3	2649.5	9.0883e-05	1189	36	150	250	1600	3420	1600	4950	0.048003	2744.6
p-b=150-i=250-e=1600-q=200-d=0.25.2	-P	Optimal	45.091	2649.3	2649.5	9.9811e-05	15262	289	150	250	1600	1970	1600	3500	0.024001	2869.8
p-b=150-i=250-e=1600-q=200-d=0.25.2	-U	Optimal	23.561	2649.3	2649.5	9.9373e-05	3434	87	150	250	1600	1970	1600	3350	0.016001	2869.8
p-b=150-i=250-e=1600-q=200-d=0.25.3	-H	Optimal	48.891	2706.8	2707.1	9.9873e-05	3458	91	150	250	1600	3418	1600	4950	0.056003	2832.4
p-b=150-i=250-e=1600-q=200-d=0.25.3	-P	Optimal	321.95	2706.8	2707.1	9.9901e-05	95905	1453	150	250	1600	1968	1600	3500	0.024001	3000.5
p-b=150-i=250-e=1600-q=200-d=0.25.3	-U	Optimal	227.59	2706.8	2707.1	9.9957e-05	56456	1261	150	250	1600	1968	1600	3350	0.016001	3000.5
p-b=150-i=250-e=1600-q=200-d=0.25.4	-H	Optimal	55.095	2631.4	2631.7	9.9428e-05	2637	58	150	250	1600	3424	1600	4950	0.056004	2749.3
p-b=150-i=250-e=1600-q=200-d=0.25.4	-P	Optimal	162.55	2631.4	2631.7	9.9744e-05	45946	726	150	250	1600	1974	1600	3500	0.024001	2882.9
p-b=150-i=250-e=1600-q=200-d=0.25.4	-U	Optimal	56.231	2631.4	2631.7	9.9719e-05	7455	131	150	250	1600	1974	1600	3350	0.016001	2882.9
p-b=150-i=250-e=1600-q=200-d=0.25.5	-H	Optimal	24.846	2605.9	2605.9	1.0946e-05	1037	14	150	250	1600	3411	1600	4950	0.060004	2718.1
p-b=150-i=250-e=1600-q=200-d=0.25.5	-P	Optimal	68.904	2605.9	2606.2	9.9988e-05	23470	326	150	250	1600	1961	1600	3500	0.024001	2873.3
p-b=150-i=250-e=1600-q=200-d=0.25.5	-U	Optimal	46.519	2605.9	2606.2	9.9808e-05	8570	168	150	250	1600	1961	1600	3350	0.016001	2873.3
p-b=150-i=250-e=1600-q=200-d=0.25.6	-H	Optimal	40.251	2605.2	2605.5	9.9931e-05	2625	76	150	250	1600	3411	1600	4950	0.056004	2718.8
p-b=150-i=250-e=1600-q=200-d=0.25.6	-P	Optimal	96.39	2605.2	2605.5	9.9957e-05	29171	432	150	250	1600	1961	1600	3500	0.020001	2853.9
p-b=150-i=250-e=1600-q=200-d=0.25.6	-U	Optimal	61.476	2605.2	2605.4	9.8866e-05	12664	332	150	250	1600	1961	1600	3350	0.012	2853.9
p-b=150-i=250-e=1600-q=200-d=0.25.7	-H	Optimal	24.838	2706.4	2706.7	9.8061e-05	1876	17	150	250	1600	3419	1600	4950	0.052003	2842.2
p-b=150-i=250-e=1600-q=200-d=0.25.7	-P	Optimal	25.99	2706.4	2706.7	9.9528e-05	7757	95	150	250	1600	1969	1600	3500	0.016001	2960.4
p-b=150-i=250-e=1600-q=200-d=0.25.7	-U	Optimal	22.241	2706.4	2706.7	9.5784e-05	3171	57	150	250	1600	1969	1600	3350	0.016001	2960.4
p-b=150-i=250-e=1600-q=200-d=0.25.8	-H	Optimal	16.437	2744.7	2744.7	0	963	0	150	250	1600	3416	1600	4950	0.048003	2835.7
p-b=150-i=250-e=1600-q=200-d=0.25.8	-P	Optimal	13.237	2744.7	2745	9.8623e-05	1777	17	150	250	1600	1966	1600	3500	0.020001	2956.2
p-b=150-i=250-e=1600-q=200-d=0.25.8	-U	Optimal	12.593	2744.7	2744.8	3.2971e-05	950	94	150	250	1600	1966	1600	3350	0.016001	2956.2
p-b=150-i=250-e=1600-q=200-d=0.25.9	-H	Optimal	32.53	2751.2	2751.5	9.8658e-05	3203	96	150	250	1600	3415	1600	4950	0.048003	2861.1
p-b=150-i=250-e=1600-q=200-d=0.25.9	-P	Optimal	49.343	2751.2	2751.5	9.9959e-05	13334	192	150	250	1600	1965	1600	3500	0.024001	2955.9
p-b=150-i=250-e=1600-q=200-d=0.25.9	-U	Optimal	29.314	2751.2	2751.5	9.9595e-05	5759	106	150	250	1600	1965	1600	3350	0.012	2955.9
p-b=250-i=150-e=1600-q=200-d=0.25.0	-H	Feasible	3580.2	5884.5	6025.1	0.023892	197990	169009	250	150	1600	3332	1600	5050	0.076005	6750.1
p-b=250-i=150-e=1600-q=200-d=0.25.0	-P	Feasible	3571	5884.5	6141.3	0.043639	728148	671526	250	150	1600	1982	1600	3700	0.024002	7205.6
p-b=250-i=150-e=1600-q=200-d=0.25.0	-U	Feasible	3574.8	5884.5	6099.6	0.036547	525414	483278	250	150	1600	1982	1600	3450	0.012001	7205.6
p-b=250-i=150-e=1600-q=200-d=0.25.1	-H	Feasible	3581.7	5888.6	6081.2	0.032702	127520	108675	250	150	1600	3341	1600	5050	0.076005	6910
p-b=250-i=150-e=1600-q=20																

filename	params	status	time	value	upper_bound	gap	nodes	nodes_left	bidders	items	edges	columns	binaries	rows	relax_time	relax_value
p-b=250-i=150-e=1600-q=200-d=0.25.6	-U	Feasible	3573.6	5973	6166.8	0.03244	565391	512493	250	150	1600	1990	1600	3450	0.012001	7321.6
p-b=250-i=150-e=1600-q=200-d=0.25.7	-H	Feasible	3580.3	6139.7	6325.5	0.030257	205103	178684	250	150	1600	3337	1600	5050	0.072004	7296.7
p-b=250-i=150-e=1600-q=200-d=0.25.7	-P	Feasible	3571.9	6139.7	6555.8	0.067761	768396	712784	250	150	1600	1987	1600	3700	0.040003	7702.1
p-b=250-i=150-e=1600-q=200-d=0.25.7	-U	Feasible	3580.7	6139.7	6433.1	0.047774	524794	478459	250	150	1600	1987	1600	3450	0.016001	7702.1
p-b=250-i=150-e=1600-q=200-d=0.25.8	-H	Feasible	3580.3	6012.5	6098	0.014221	271409	216094	250	150	1600	3337	1600	5050	0.072005	6901.1
p-b=250-i=150-e=1600-q=200-d=0.25.8	-P	Feasible	3571.8	6012.5	6228.3	0.035895	963934	864276	250	150	1600	1987	1600	3700	0.040003	7279
p-b=250-i=150-e=1600-q=200-d=0.25.8	-U	Feasible	3573.7	6012.5	6151.1	0.023054	548080	481475	250	150	1600	1987	1600	3450	0.016001	7279
p-b=250-i=150-e=1600-q=200-d=0.25.9	-H	Feasible	3577.1	5770.4	5984.8	0.037155	153999	136343	250	150	1600	3328	1600	5050	0.088005	6676
p-b=250-i=150-e=1600-q=200-d=0.25.9	-P	Feasible	3571.8	5770.4	6127.4	0.061873	825083	765866	250	150	1600	1978	1600	3700	0.036002	7066.4
p-b=250-i=150-e=1600-q=200-d=0.25.9	-U	Feasible	3574.4	5770.4	6045.1	0.0476	431370	397612	250	150	1600	1978	1600	3450	0.016001	7066.4
p-b=300-i=100-e=1600-q=200-d=0.25.0	-H	Feasible	3582.1	7274.7	7822.2	0.075261	114824	103025	300	100	1600	3296	1600	5100	0.084005	9138.5
p-b=300-i=100-e=1600-q=200-d=0.25.0	-P	Feasible	3572.2	7274.7	8102.3	0.11377	573939	542073	300	100	1600	1996	1600	3800	0.036003	9600.5
p-b=300-i=100-e=1600-q=200-d=0.25.0	-U	Feasible	3582.1	7274.7	8018.4	0.10223	384470	365252	300	100	1600	1996	1600	3500	0.016001	9600.5
p-b=300-i=100-e=1600-q=200-d=0.25.1	-H	Feasible	3577.9	7326.3	7793.6	0.063787	114694	103311	300	100	1600	3300	1600	5100	0.10401	9055.8
p-b=300-i=100-e=1600-q=200-d=0.25.1	-P	Feasible	3572.7	7326.3	8107.9	0.10668	621083	586680	300	100	1600	2000	1600	3800	0.044003	9627.4
p-b=300-i=100-e=1600-q=200-d=0.25.1	-U	Feasible	3582.2	7326.3	7976.9	0.088801	331127	310505	300	100	1600	2000	1600	3500	0.016001	9627.4
p-b=300-i=100-e=1600-q=200-d=0.25.2	-H	Feasible	3582.1	7154.6	7605.5	0.063026	106155	93137	300	100	1600	3298	1600	5100	0.10801	8829.5
p-b=300-i=100-e=1600-q=200-d=0.25.2	-P	Feasible	3573.1	7154.6	7818.2	0.092754	567771	530279	300	100	1600	1998	1600	3800	0.032002	9316.7
p-b=300-i=100-e=1600-q=200-d=0.25.2	-U	Feasible	3582	7154.6	7748.5	0.083018	347023	323117	300	100	1600	1998	1600	3500	0.012001	9316.7
p-b=300-i=100-e=1600-q=200-d=0.25.3	-H	Feasible	3576.2	7196.8	7607	0.057004	111976	99590	300	100	1600	3296	1600	5100	0.10801	8926.5
p-b=300-i=100-e=1600-q=200-d=0.25.3	-P	Feasible	3557.2	7196.8	7926.7	0.10143	443632	416579	300	100	1600	1996	1600	3800	0.044003	9478.3
p-b=300-i=100-e=1600-q=200-d=0.25.3	-U	Feasible	3573.4	7196.8	7778.3	0.080806	473296	447994	300	100	1600	1996	1600	3500	0.020002	9478.3
p-b=300-i=100-e=1600-q=200-d=0.25.4	-H	Feasible	3581.9	7281.6	7818	0.073671	131832	120612	300	100	1600	3297	1600	5100	0.10401	9173.3
p-b=300-i=100-e=1600-q=200-d=0.25.4	-P	Feasible	3571.6	7281.6	8167.2	0.12163	581802	547701	300	100	1600	1997	1600	3800	0.052003	9672.2
p-b=300-i=100-e=1600-q=200-d=0.25.4	-U	Feasible	3559.4	7281.6	8086.1	0.11049	392897	374034	300	100	1600	1997	1600	3500	0.020001	9672.2
p-b=300-i=100-e=1600-q=200-d=0.25.5	-H	Feasible	3565.3	7329.3	7858	0.072134	163364	151160	300	100	1600	3295	1600	5100	0.080005	9051
p-b=300-i=100-e=1600-q=200-d=0.25.5	-P	Feasible	3571.9	7329.3	8084.6	0.10306	546139	513199	300	100	1600	1995	1600	3800	0.040002	9561
p-b=300-i=100-e=1600-q=200-d=0.25.5	-U	Feasible	3563.7	7329.3	8006.7	0.092422	352003	334303	300	100	1600	1995	1600	3500	0.016001	9561
p-b=300-i=100-e=1600-q=200-d=0.25.6	-H	Feasible	3572.8	7346.7	7939.9	0.080733	127976	117270	300	100	1600	3296	1600	5100	0.10001	9361.6
p-b=300-i=100-e=1600-q=200-d=0.25.6	-P	Feasible	3548.3	7346.7	8276.3	0.12654	485763	464383	300	100	1600	1996	1600	3800	0.048003	9867.8
p-b=300-i=100-e=1600-q=200-d=0.25.6	-U	Feasible	3579.7	7346.7	8260	0.12431	444568	423291	300	100	1600	1996	1600	3500	0.024002	9867.8
p-b=300-i=100-e=1600-q=200-d=0.25.7	-H	Feasible	3577.6	7027.9	7735.3	0.10065	104152	96253	300	100	1600	3293	1600	5100	0.10401	9058.1
p-b=300-i=100-e=1600-q=200-d=0.25.7	-P	Feasible	3568.9	7027.9	8097.7	0.15222	569391	538535	300	100	1600	1993	1600	3800	0.044003	9607.3
p-b=300-i=100-e=1600-q=200-d=0.25.7	-U	Feasible	3581.3	7027.9	7975	0.13476	488569	470314	300	100	1600	1993	1600	3500	0.020001	9607.3
p-b=300-i=100-e=1600-q=200-d=0.25.8	-H	Feasible	3563.9	7606.9	8186.6	0.076206	145438	120929	300	100	1600	3298	1600	5100	0.096006	9650.1
p-b=300-i=100-e=1600-q=200-d=0.25.8	-P	Feasible	3572.2	7567.2	8443	0.11573	549830	515446	300	100	1600	1998	1600	3800	0.036003	10144
p-b=300-i=100-e=1600-q=200-d=0.25.8	-U	Feasible	3558.1	7602.8	8362.4	0.099909	337173	307419	300	100	1600	1998	1600	3500	0.016001	10144
p-b=300-i=100-e=1600-q=200-d=0.25.9	-H	Feasible	3578.3	7376.5	7844.3	0.06341	106574	94238	300	100	1600	3291	1600	5100	0.10401	9353.4
p-b=300-i=100-e=1600-q=200-d=0.25.9	-P	Feasible	3561.6	7376.5	8187.1	0.10988	521384	494283	300	100	1600	1991	1600	3800	0.044003	9862.6
p-b=300-i=100-e=1600-q=200-d=0.25.9	-U	Feasible	3582.3	7376.5	8218.2	0.1141	390436	366598	300	100	1600	1991	1600	3500	0.012	9862.6