filename	params	status	time	value	upper_bound	gap	nodes	nodes_left	bidders	items	edges	columns	binaries	rows	relax_time	relax_value
rc-b=100-i=300.0	-H	Optimal	66.7	102166	102166	0	0	0	100	300	30000	60301	30000	90100	17.121	102166
rc-b=100-i=300.0	-P	Optimal	24.602	102166	102171	4.894e-05	0	1	100	300	30000	30401	30000	60200	2.4962	102186
rc-b=100-i=300.0	-U	Optimal	24.694	102166	102175	8.7728e-05	0	1	100	300	30000	30401	30000	60100	2.6082	102186
rc-b=100-i=300.1	-H	Optimal	70.136	102148	102153	4.6501e-05	0	1	100	300	30000	60301	30000	90100	17.929	102153
rc-b=100-i=300.1	-P	Optimal	26.326	102148	102157	9.2801e-05	0	1	100	300	30000	30401	30000	60200	2.7642	102175
rc-b=100-i=300.1	-U	Optimal	29.714	102148	102156	7.8299e-05	0	1	100	300	30000	30401	30000	60100	3.1602	102175
rc-b=100-i=300.2	-H	Optimal	66.812	102149	102154	4.8439e-05	0	1	100	300	30000	60301	30000	90100	17.165	102154
rc-b=100-i=300.2	-P	Optimal	25.582	102149	102157	8.3183e-05	0	1	100	300	30000	30401	30000	60200	2.4842	102184
rc-b=100-i=300.2	-U	Optimal	25.95	102149	102158	8.8078e-05	0	1	100	300	30000	30401	30000	60100	2.7722	102184
rc-b=100-i=300.3	-H	Optimal	66.8	102154	102155	9.7891e-06	0	1	100	300	30000	60301	30000	90100	16.121	102155
rc-b=100-i=300.3	-P	Optimal	24.681	102154	102158	4.4023e-05	0	1	100	300	30000	30401	30000	60200	2.4442	102187
rc-b=100-i=300.3	-U	Optimal	25.03	102154	102158	4.3994e-05	0	1	100	300	30000	30401	30000	60100	2.6562	102187
rc-b=100-i=300.4	-H	Optimal	68.716	102144	102154	9.7901e-05	0	1	100	300	30000	60301	30000	90100	16.309	102154
rc-b=100-i=300.4	-P	Optimal	28.49	102144	102154	9.7901e-05	0	1	100	300	30000	30401	30000	60200	2.6042	102175
rc-b=100-i=300.4	-U	Optimal	27.33	102144	102154	9.7901e-05	0	1	100	300	30000	30401	30000	60100	2.7322	102175
rc-b=100-i=300.5	-H	Optimal	69.552	102165	102171	5.8728e-05	0	1	100	300	30000	60301	30000	90100	18.657	102171
rc-b=100-i=300.5	-P	Optimal	26.094	102165	102171	5.8728e-05	0	1	100	300	30000	30401	30000	60200	2.7722	102191
rc-b=100-i=300.5	-U	Optimal	26.018	102165	102173	7.8247e-05	0	1	100	300	30000	30401	30000	60100	2.9322	102191
rc-b=100-i=300.6	-H	Optimal	65.668	102101	102109	7.8354e-05	0	1	100	300	30000	60301	30000	90100	16.421	102109
rc-b=100-i=300.6	-P	Optimal	49.683	102106	102113	6.4418e-05	15	6	100	300	30000	30401	30000	60200	2.5202	102139
rc-b=100-i=300.6	-U	Optimal	29.174	102107	102111	4.4002e-05	0	1	100	300	30000	30401	30000	60100	2.6762	102139
rc-b=100-i=300.7	-H	Optimal	77.841	102163	102173	9.6151e-05	0	1	100	300	30000	60301	30000	90100	16.365	102173
rc-b=100-i=300.7	-P	Optimal	50.235	102164	102174	9.9717e-05	1	2	100	300	30000	30401	30000	60200	2.5362	102196
rc-b=100-i=300.7	-U	Optimal	28.674	102168	102172	4.1593e-05	0	1	100	300	30000	30401	30000	60100	2.7602	102196
rc-b=100-i=300.8	-H	Optimal	69.992	102147	102153	6.0571e-05	0	1	100	300	30000	60301	30000	90100	17.717	102153
rc-b=100-i=300.8	-P	Optimal	26.438	102147	102156	8.6295e-05	0	1	100	300	30000	30401	30000	60200	2.5242	102177
rc-b=100-i=300.8	-U	Optimal	28.594	102147	102153	5.4956e-05	0	1	100	300	30000	30401	30000	60100	2.8802	102177
rc-b=100-i=300.9	-H	Optimal	65.568	102133	102138	4.7324e-05	0	1	100	300	30000	60301	30000	90100	17.189	102138
rc-b=100-i=300.9	-P	Optimal	24.79	102133	102142	8.8034e-05	0	1	100	300	30000	30401	30000	60200	2.4802	102159
rc-b=100-i=300.9	-U	Optimal	25.182	102133	102143	9.7806e-05	0	1	100	300	30000	30401	30000	60100	2.8442	102159
rc-b=150-i=250.0	-H	Optimal	94.954	153094	153107	8.2234e-05	0	1	150	250	37500	75251	37500	112650	17.601	153114
rc-b=150-i=250.0	-P	Optimal	54.471	153097	153112	9.9249e-05	446	265	150	250	37500	37901	37500	75300	2.9042	153214
rc-b=150-i=250.0	-U	Optimal	46.543	153098	153113	9.8875e-05	201	96	150	250	37500	37901	37500	75150	3.1682	153214
rc-b=150-i=250.1	-H	Optimal	123.06	153147	153162	9.9602e-05	25	21	150	250	37500	75251	37500	112650	17.257	153168
rc-b=150-i=250.1	-P	Optimal	60.516	153148	153161	8.5843e-05	948	565	150	250	37500	37901	37500	75300	2.6802	153247
rc-b=150-i=250.1	-U	Optimal	69.168	153148	153160	7.7709e-05	1452	650	150	250	37500	37901	37500	75150	3.2482	153247
rc-b=150-i=250.2	-H	Optimal	121.59	153155	153170	9.9924e-05	15	7	150	250	37500	75251	37500	112650	15.561	153179
rc-b=150-i=250.2	-P	Optimal	59.152	153160	153175	9.9607e-05	683	447	150	250	37500	37901	37500	75300	2.9802	153260
rc-b=150-i=250.2	-U	Optimal	38.218	153160	153174	9.0742e-05	66	21	150	250	37500	37901	37500	75150	3.1682	153260
rc-b=150-i=250.3	-H	Optimal	96.55	153104	153119	9.9203e-05	0	1	150	250	37500	75251	37500	112650	16.573	153129
rc-b=150-i=250.3	-P	Optimal	61.072	153105	153120	9.9398e-05	474	364	150	250	37500	37901	37500	75300	2.8842	153220
rc-b=150-i=250.3	-U	Optimal	56.096	153105	153120	9.9007e-05	328	167	150	250	37500	37901	37500	75150	3.4162	153220
rc-b=150-i=250.4	-H	Optimal	104.33	153123	153134	7.0285e-05	0	1	150	250	37500	75251	37500	112650	17.833	153140
rc-b=150-i=250.4	-P	Optimal	52.483	153125	153140	9.6834e-05	98	42	150	250	37500	37901	37500	75300	3.1962	153215
rc-b=150-i=250.4	-U	Optimal	45.435	153126	153141	9.8697e-05	103	43	150	250	37500	37901	37500	75150	3.8002	153215
rc-b=150-i=250.5	-H	Optimal	179.84	153133	153148	9.8923e-05	435	290	150	250	37500	75251	37500	112650	18.085	153162
rc-b=150-i=250.5	-P	Optimal	66.42	153134	153149	9.5586e-05	474	371	150	250	37500	37901	37500	75300	2.6482	153251
rc-b=150-i=250.5	-U	Optimal	59.612	153135	153150	9.9336e-05	968	760	150	250	37500	37901	37500	75150	3.2882	153251
rc-b=150-i=250.6	-H	Optimal	82.425	153128	153143	9.6207e-05	0	1	150	250	37500	75251	37500	112650	15.657	153148
rc-b=150-i=250.6	-P	Optimal	45.687	153129	153144	9.8404e-05	97	69	150	250	37500	37901	37500	75300	2.8042	153218
rc-b=150-i=250.6	-U	Optimal	39.09	153129	153144	9.4945e-05	97	63	150	250	37500	37901	37500	75150	3.3402	153218
rc-b=150-i=250.7	-H	Optimal	74.101	153151	153164	8.4262e-05	0	1	150	250	37500	75251	37500	112650	16.329	153164
rc-b=150-i=250.7	-P	Optimal	46.503	153153	153167	9.4381e-05	50	32	150	250	37500	37901	37500	75300	2.8962	153237
rc-b=150-i=250.7	-U	Optimal	40.831	153153	153168	9.7466e-05	14	9	150	250	37500	37901	37500	75150	3.7282	153237
rc-b=150-i=250.8	-H	Optimal	124.13	153155	153170	9.7359e-05	3	4	150	250	37500	75251	37500	112650	15.681	153183
rc-b=150-i=250.8	-P	Optimal	69.108	153155	153170	9.8189e-05	948	645	150	250	37500	37901	37500	75300	2.7682	153268
rc-b=150-i=250.8	-U	Optimal	58.536	153155	153167	7.6414e-05	484	339	150	250	37500	37901	37500	75150	3.4642	153268
rc-b=150-i=250.9	-H	Optimal	147.39	153040	153055	9.7382e-05	159	106	150	250	37500	75251	37500	112650	16.521	153078
rc-b=150-i=250.9	-P	Optimal	74.693	153040	153054	9.4646e-05	474	363	150	250	37500	37901	37500	75300	3.0002	153185
rc-b=150-i=250.9	-U	Optimal	67.612	153040	153054	9.3652e-05	968	703	150	250	37500	37901	37500	75150	3.0762	153185
rc-b=250-i=150.0	-H	Feasible	3447.6	254190	254437	0.00097289	4144	2210	250	150	37500	75151	37500	112750	14.885	254630
rc-b=250-i=150.0	-P	Feasible	3484.6	254183	254498	0.0012412	11196	6935	250	150	37500	37901	37500	75500	1.8841	255057
rc-b=250-i=150.0	-U	Feasible	3537.7	254180	254380	0.00078847	10211	7874	250	150	37500	37901	37500	75250	2.0241	255057
rc-b=250-i=150.1	-H	Feasible	3438.9	254182	254482	0.0011786	3018	1596	250	150	37500	75151	37500	112750	12.021	254699
rc-b=250-i=150.1	-P	Feasible	3492.7	254198	254589	0.0015368	10654	4416	250	150	37500	37901	37500	75500	1.9321	255084
rc-b=250-i=150.1	-U	Feasible	3534.6	254218	254451	0.00091626	10796	6990	250	150	37500	37901	37500	75250	2.0961	255084
rc-b=250-i=150.2	-H	Feasible	3449.6	254080	254407	0.0012888	2835	1431	250	150	37500	75151	37500	112750	12.437	254619
rc-b=250-i=150.2	-P	Feasible	3501.6	254080	254499	0.001649	10629	7566	250	150	37500	37901	37500	75500	1.7641	255027
rc-b=250-i=150.2	-U	Feasible	3517.2	254080	254341	0.0010282	9746	7942	250	150	37500	37901	37500	75250	2.2401	255027
rc-b=250-i=150.3	-H	Feasible	3478.1	254401	254494	0.00036705	12117	6322	250	150	37500	75151	37500	112750	10.457	254720
rc-b=250-i=150.3	-P	Feasible	3520.2	254388	254547	0.00062432	19553	8007	250	150	37500	37901	37500	75500	1.7041	255079
rc-b=250-i=150.3	-U	Feasible	3577	254409	254488	0.00031155	29546	13980	250	150	37500	37901	37500	75250	1.8121	255079
rc-b=250-i=150.4	-H	Feasible	3478.4	254300	254458	0.00062063	10514	6823	250	150	37500	75151	37500	112750	11.121	254667
rc-b=250-i=150.4	-P	Feasible	3455.9	254297	254547	0.00098209	12207	5469	250	150	37500	37901	37500	75500	1.6241	255071
rc-b=250-i=150.4	-U	Feasible	3571.4	254304	254446	0.0005591	16688	4735	250	150	37500	37901	37500	75250	1.9681	255071
rc-b=250-i=150.5	-H	Feasible	3493.5	254310	254496	0.00072945	6174	3990	250	150	37500	75151	37500	112750	13.493	254680
rc-b=250-i=150.5	-P	Feasible	3454.2	254310	254547	0.00093299	14011	6116	250	150	37500	37901	37500	75500	2.0321	255063
rc-b=250-i=150.5	-U	Feasible	3573.5	254310	254457	0.00057767	20581	8215	250	150	37500	37901	37500	75250	2.1721	255063
rc-b=250-i=150.6	-H	Feasible	3465.2	254187	254348	0.00063439	8628	5984	250	150	37500	75151	37500	112750	11.733	254578
rc-b=250-i=150.6	-P	Feasible	3459.9	254176	254456	0.001102	11903	5373	250	150	37500	37901	37500	75500	1.9521	255006

filename	params	status	time	value	upper_bound	gap	nodes	nodes_left	bidders	items	edges	columns	binaries	rows	relax_time	relax_value
rc-b=250-i=150.6	-U	Feasible	3565.5	254175	254321	0.00057251	13964	6400	250	150	37500	37901	37500	75250	2.0521	255006
rc-b=250-i=150.7	-H	Feasible	3439.8	253829	254297	0.0018435	2399	1215	250	150	37500	75151	37500	112750	15.117	254518
rc-b=250-i=150.7	-P	Feasible	3493.2	253854	254400	0.0021512	12543	10262	250	150	37500	37901	37500	75500	1.8721	254952
rc-b=250-i=150.7	-U	Feasible	3505.8	253850	254267	0.0016428	9746	7937	250	150	37500	37901	37500	75250	1.9401	254952
rc-b=250-i=150.8	-H	Feasible	3457.4	254014	254285	0.0010682	3099	1828	250	150	37500	75151	37500	112750	12.705	254507
rc-b=250-i=150.8	-P	Feasible	3466.8	254016	254391	0.0014754	10551	6733	250	150	37500	37901	37500	75500	2.0601	254950
rc-b=250-i=150.8	-U	Feasible	3527.2	254014	254238	0.00088046	10216	5836	250	150	37500	37901	37500	75250	1.9601	254950
rc-b=250-i=150.9	-H	Feasible	3444.3	254070	254397	0.0012867	3850	2053	250	150	37500	75151	37500	112750	12.825	254568
rc-b=250-i=150.9	-P	Feasible	3492.7	254079	254450	0.001461	10765	7042	250	150	37500	37901	37500	75500	1.9881	254960
rc-b=250-i=150.9	-U	Feasible	3518.8	254094	254310	0.0008511	10210	7384	250	150	37500	37901	37500	75250	1.9481	254960
rc-b=300-i=100.0	-H	Feasible	3485.1	302587	304211	0.0053666	3509	2313	300	100	30000	60101	30000	90300	9.3766	304713
rc-b=300-i=100.0	-P	Feasible	3483.6	302580	304347	0.0058408	36364	28950	300	100	30000	30401	30000	60300	1.2001	305560
rc-b=300-i=100.0	-U	Feasible	3516.4	302490	304255	0.0058347	18549	15619	300	100	30000	30401	30000	60300	1.1201	305560
rc-b=300-i=100.1	-H	Feasible	3506.8	302513	304356	0.0060922	2379	1628	300	100	30000	60101	30000	90300	6.9564	304779
rc-b=300-i=100.1	-P	Feasible	3523.8	302602	304565	0.0064884	45394	41470	300	100	30000	30401	30000	60600	1.2481	305615
rc-b=300-i=100.1	-U	Feasible	3525.1	302553	304347	0.0059287	23514	21243	300	100	30000	30401	30000	60300	1.0841	305615
rc-b=300-i=100.2	-H	Feasible	3497.9	303316	304257	0.0031013	2540	1523	300	100	30000	60101	30000	90300	8.2125	304679
rc-b=300-i=100.2	-P	Feasible	3518.3	303340	304515	0.003875	42817	40109	300	100	30000	30401	30000	60600	1.1121	305438
rc-b=300-i=100.2	-U	Feasible	3513.3	303230	304211	0.0032364	23983	21779	300	100	30000	30401	30000	60300	1.0401	305438
rc-b=300-i=100.3	-H	Feasible	3503.7	303774	304462	0.0022647	2965	1847	300	100	30000	60101	30000	90300	7.3885	304843
rc-b=300-i=100.3	-P	Feasible	3508.1	303769	304659	0.0029284	35541	31145	300	100	30000	30401	30000	60600	1.1321	305613
rc-b=300-i=100.3	-U	Feasible	3529.2	303840	304426	0.0019277	31810	29374	300	100	30000	30401	30000	60300	1.0081	305613
rc-b=300-i=100.4	-H	Feasible	3510.6	302817	304254	0.004744	2195	1327	300	100	30000	60101	30000	90300	9.7326	304683
rc-b=300-i=100.4	-P	Feasible	3521	302755	304455	0.0056163	38980	35906	300	100	30000	30401	30000	60600	1.3721	305526
rc-b=300-i=100.4	-U	Feasible	3541.1	302741	304199	0.0048154	14529	12518	300	100	30000	30401	30000	60300	1.1921	305526
rc-b=300-i=100.5	-H	Feasible	3523.7	301728	304147	0.008017	1910	1198	300	100	30000	60101	30000	90300	20.209	304610
rc-b=300-i=100.5	-P	Feasible	3479.6	301775	304450	0.0088656	36448	32264	300	100	30000	30401	30000	60600	1.4721	305502
rc-b=300-i=100.5	-U	Feasible	3513.6	301756	304122	0.0078398	19434	17270	300	100	30000	30401	30000	60300	1.2041	305502
rc-b=300-i=100.6	-H	Feasible	3521.3	302469	304408	0.0064091	1777	1127	300	100	30000	60101	30000	90300	9.3086	304859
rc-b=300-i=100.6	-P	Feasible	3532.8	302497	304698	0.0072772	50408	47185	300	100	30000	30401	30000	60600	1.4361	305673
rc-b=300-i=100.6	-U	Feasible	3513.6	302514	304383	0.0061773	25744	23680	300	100	30000	30401	30000	60300	1.1121	305673
rc-b=300-i=100.7	-H	Feasible	3510.9	303572	304431	0.0028307	2513	1563	300	100	30000	60101	30000	90300	10.625	304796
rc-b=300-i=100.7	-P	Feasible	3490.1	303545	304612	0.0035146	23772	20991	300	100	30000	30401	30000	60600	1.4281	305581
rc-b=300-i=100.7	-U	Feasible	3523.7	303557	304346	0.002598	21157	19944	300	100	30000	30401	30000	60300	1.0961	305581
rc-b=300-i=100.8	-H	Feasible	3473.5	302717	304046	0.0043887	2769	1586	300	100	30000	60101	30000	90300	9.2326	304582
rc-b=300-i=100.8	-P	Feasible	3512.3	302733	304308	0.0052027	37344	33383	300	100	30000	30401	30000	60600	1.1801	305475
rc-b=300-i=100.8	-U	Feasible	3542.9	302661	304042	0.0045641	22799	21682	300	100	30000	30401	30000	60300	1.0801	305475
rc-b=300-i=100.9	-H	Feasible	3493.9	303565	304437	0.0028726	2709	1782	300	100	30000	60101	30000	90300	10.213	304833
rc-b=300-i=100.9	-P	Feasible	3497.8	303570	304656	0.0035783	46295	43541	300	100	30000	30401	30000	60600	1.0521	305548
rc-b=300-i=100.9	-U	Feasible	3508.3	303566	304365	0.0026312	27543	25714	300	100	30000	30401	30000	60300	1.2601	305548