filename	params	status	time	value	upper_bound	gap	nodes	nodes_left	bidders	items	edges	columns	binaries	rows	relax_time	relax_value
rc-n=100.0	-H	Optimal	27.49	101751	101761	9.9367e-05	480	229	100	100	10000	20101	10000	30100	2.0121	101805
rc-n=100.0	-M	Optimal	793.18	101751	101761	9.9259e-05	125	59	100	100	10000	1020101	10000	1040100	252.18	101805
rc-n=100.0	-P	Optimal	10.673	101751	101761	9.742e-05	948	654	100	100	10000	10201	10000	20200	0.31602	101972
rc-n=100.0	-U	Optimal	11.281	101751	101761	9.9736e-05	927	303	100	100	10000	10201	10000	20100	0.39202	101972
rc-n=100.1	-H	Optimal	311.47	101270	101280	9.9397e-05	4312	642	100	100	10000	20101	10000	30100	2.2281	101533
rc-n=100.1	-M	Feasible	3565.8	101270	101393	0.0012146	1046	0	100	100	10000	1020101	10000	1040100	147.37	101533
rc-n=100.1	-P	Optimal	547.63	101270	101280	9.9955e-05	12917	571	100	100	10000	10201	10000	20200	0.38002	101753
rc-n=100.1	-U	Optimal	129.12	101270	101280	9.9929e-05	4356	886	100	100	10000	10201	10000	20100	0.34802	101753
rc-n=100.2	-H	Optimal	15.509	101702	101712	9.9947e-05	111	64	100	100	10000	20101	10000	30100	1.9761	101732
rc-n=100.2	-M	Optimal	852.54	101702	101712	9.8286e-05	1	2	100	100	10000	1020101	10000	1040100	215.95	101732
rc-n=100.2	-P	Optimal	12.605	101702	101711	8.6618e-05	1422	658	100	100	10000	10201	10000	20200	0.36002	101885
rc-n=100.2	-U	Optimal	6.0724	101702	101712	9.4696e-05	195	83	100	100	10000	10201	10000	20100	0.37202	101885
rc-n=100.3	-H	Optimal	55.272	101670	101680	9.9708e-05	1938	651	100	100	10000	20101	10000	30100	1.8401	101743
rc-n=100.3	-M	Optimal	2556.3	101670	101679	8.8816e-05	1435	671	100	100	10000	1020101	10000	1040100	254.08	101743
rc-n=100.3	-P	Optimal	18.557	101670	101680	9.659e-05	1002	303	100	100	10000	10201	10000	20200	0.33602	101899
rc-n=100.3	-U	Optimal	20.029	101670	101680	9.7448e-05	495	352	100	100	10000	10201	10000	20100	0.34402	101899
rc-n=100.4	-H	Optimal	68.064	101544	101554	9.9976e-05	1331	337	100	100	10000	20101	10000	30100	2.0521	101675
rc-n=100.4	-M	Optimal	3020	101544	101554	9.9712e-05	2397	470	100	100	10000	1020101	10000	1040100	125.04	101675
rc-n=100.4	-P	Optimal	101.79	101544	101554	9.9993e-05	8926	2059	100	100	10000	10201	10000	20200	0.36402	101876
rc-n=100.4	-U	Optimal	36.634	101544	101553	9.1677e-05	1018	357	100	100	10000	10201	10000	20100	0.38402	101876
rc-n=100.5	-H	Optimal	60.236	101498	101508	9.3762e-05	1142	241	100	100	10000	20101	10000	30100	2.0881	101598
rc-n=100.5	-M	Optimal	2629.1	101498	101508	9.6243e-05	1500	673	100	100	10000	1020101	10000	1040100	198.46	101598
rc-n=100.5	-P	Optimal	36.062	101498	101508	9.9336e-05	1333	300	100	100	10000	10201	10000	20200	0.34402	101823
rc-n=100.5	-U	Optimal	40.919	101498	101506	8.1861e-05	1024	340	100	100	10000	10201	10000	20100	0.35602	101823
rc-n=100.6	-H	Optimal	43.663	101488	101498	9.9729e-05	1771	266	100	100	10000	20101	10000	30100	1.8761	101577
rc-n=100.6	-M	Optimal	1821.1	101488	101498	9.9338e-05	879	277	100	100	10000	1020101	10000	1040100	248.32	101577
rc-n=100.6	-P	Optimal	42.151	101488	101498	9.9784e-05	2876	624	100	100	10000	10201	10000	20200	0.30802	101784
rc-n=100.6	-U	Optimal	29.858	101488	101497	9.1711e-05	1071	274	100	100	10000	10201	10000	20100	0.39202	101784
rc-n=100.7	-H	Optimal	50.899	101571	101581	9.8798e-05	1190	256	100	100	10000	20101	10000	30100	1.9401	101676
rc-n=100.7	-M	Optimal	2001.8	101571	101581	9.9911e-05	1147	454	100	100	10000	1020101	10000	1040100	349.37	101676
rc-n=100.7	-P	Optimal	45.935	101571	101581	9.992e-05	2754	349	100	100	10000	10201	10000	20200	0.28802	101889
rc-n=100.7	-U	Optimal	26.758	101571	101581	9.7005e-05	516	215	100	100	10000	10201	10000	20100	0.33602	101889
rc-n=100.8	-H	Optimal	75.297	101564	101574	9.9681e-05	1970	286	100	100	10000	20101	10000	30100	1.7401	101685
rc-n=100.8	-M	Optimal	2909.7	101564	101574	9.963e-05	1625	203	100	100	10000	1020101	10000	1040100	133.25	101685
rc-n=100.8	-P	Optimal	63.14	101564	101574	9.9744e-05	4985	993	100	100	10000	10201	10000	20200	0.32402	101869
rc-n=100.8	-U	Optimal	34.382	101564	101574	9.9989e-05	683	109	100	100	10000	10201	10000	20100	0.34002	101869
rc-n=100.9	-H	Optimal	759.96	101525	101535	9.998e-05	20217	2960	100	100	10000	20101	10000	30100	2.1441	101632
rc-n=100.9	-M	Optimal	3542.3	101525	101535	9.9983e-05	4377	1294	100	100	10000	1020101	10000	1040100	169.12	101632
rc-n=100.9	-P	Optimal	333.78	101525	101535	9.9983e-05	27901	5400	100	100	10000	10201	10000	20200	0.35202	101823
rc-n=100.9	-U	Optimal	60.26	101525	101535	9.9919e-05	2970	703	100	100	10000	10201	10000	20100	0.38402	101823
rc-n=150.0	-H	Optimal	479.53	152710	152725	9.9846e-05	6186	2578	150	150	22500	45151	22500	67650	6.3724	152845
rc-n=150.0	-P	Optimal	969.04	152710	152725	9.9999e-05	32899	12351	150	150	22500	22801	22500	45300	1.1241	153043
rc-n=150.0	-U	Optimal	205	152710	152725	9.9963e-05	4917	2036	150	150	22500	22801	22500	45150	1.1961	153043
rc-n=150.1	-H	Optimal	436.71	152698	152713	9.9952e-05	5256	2281	150	150	22500	45151	22500	67650	6.8964	152828
rc-n=150.1	-P	Optimal	819.01	152698	152713	9.9951e-05	30532	11087	150	150	22500	22801	22500	45300	1.4241	153026
rc-n=150.1	-U	Optimal	133.87	152698	152713	9.9897e-05	1393	387	150	150	22500	22801	22500	45150	1.1041	153026
rc-n=150.2	-H	Feasible	3516.5	152409	152466	0.00037289	11202	5558	150	150	22500	45151	22500	67650	7.1405	152764
rc-n=150.2	-P	Feasible	3572.4	152409	152469	0.00039154	38202	18429	150	150	22500	22801	22500	45300	1.0801	152995
rc-n=150.2	-U	Feasible	3574.5	152409	152446	0.0002458	50836	17395	150	150	22500	22801	22500	45150	1.2041	152995
rc-n=150.3	-H	Optimal	2906.3	152675	152690	9.9911e-05	16424	2161	150	150	22500	45151	22500	67650	6.6204	152816
rc-n=150.3	-P	Optimal	1623.5	152675	152690	9.9962e-05	38473	12021	150	150	22500	22801	22500	45300	1.2721	153024
rc-n=150.3	-U	Optimal	223.81	152671	152686	9.9764e-05	3480	1228	150	150	22500	22801	22500	45150	1.2881	153024
rc-n=150.4	-H	Optimal	482.23	152471	152486	9.7997e-05	2089	406	150	150	22500	45151	22500	67650	6.3004	152642
rc-n=150.4	-P	Optimal	777.81	152471	152486	9.9965e-05	16758	2192	150	150	22500	22801	22500	45300	1.0201	152913
rc-n=150.4	-U	Optimal	197.11	152471	152486	9.878e-05	1500	315	150	150	22500	22801	22500	45150	1.1441	152913
rc-n=150.5	-H	Optimal	410.2	152706	152721	9.9848e-05	3240	1030	150	150	22500	45151	22500	67650	6.3324	152853
rc-n=150.5	-P	Optimal	1046.3	152707	152722	9.9982e-05	18702	2971	150	150	22500	22801	22500	45300	1.1681	153054
rc-n=150.5	-U	Optimal	201.77	152706	152721	9.9999e-05	3671	850	150	150	22500	22801	22500	45150	1.0761	153054
rc-n=150.6	-H	Optimal	156.54	152856	152871	9.493e-05	1112	267	150	150	22500	45151	22500	67650	6.4804	152912
rc-n=150.6	-P	Optimal	46.055	152855	152869	9.4283e-05	550	374	150	150	22500	22801	22500	45300	1.2041	153054
rc-n=150.6	-U	Optimal	38.014	152855	152870	9.6526e-05	509	397	150	150	22500	22801	22500	45150	1.3161	153054
rc-n=150.7	-H	Optimal	159.76	152746	152760	9.4581e-05	1143	439	150	150	22500	45151	22500	67650	6.1884	152837
rc-n=150.7	-P	Optimal	82.589	152746	152761	9.99e-05	1476	362	150	150	22500	22801	22500	45300	1.0401	153022
rc-n=150.7	-U	Optimal	71.537	152746	152760	9.072e-05	516	348	150	150	22500	22801	22500	45150	1.1081	153022
rc-n=150.8	-H	Optimal	400.5	152795	152810	9.9999e-05	9540	5331	150	150	22500	45151	22500	67650	6.7004	152900
rc-n=150.8	-P	Optimal	660.66	152795	152810	9.9974e-05	27479	8754	150	150	22500	22801	22500	45300	1.1361	153080
rc-n=150.8	-U	Optimal	198.88	152794	152809	9.9959e-05	6091	3266	150	150	22500	22801	22500	45150	1.1361	153080
rc-n=150.9	-H	Feasible	3533.3	152549	152569	0.00013007	16316	3640	150	150	22500	45151	22500	67650	6.6684	152761
rc-n=150.9	-P	Feasible	3575.3	152549	152568	0.00012525	62324	25180	150	150	22500	22801	22500	45300	1.0161	152960
rc-n=150.9	-U	Optimal	637.2	152549	152564	9.9837e-05	11660	801	150	150	22500	22801	22500	45150	1.1561	152960
rc-n=200.0	-H	Feasible	3520.1	203935	203965	0.0001461	10075	4804	200	200	40000	80201	40000	120200	15.049	204042
rc-n=200.0	-P	Feasible	3572.7	203935	203968	0.00015951	77343	46513	200	200	40000	40401	40000	80400	2.0841	204236
rc-n=200.0	-U	Optimal	366.52	203935	203955	9.9943e-05	4758	2776	200	200	40000	40401	40000	80200	2.3121	204236
rc-n=200.1	-H	Feasible	3498.6	203845	203875	0.00014546	11051	2293	200	200	40000	80201	40000	120200	12.409	203968
rc-n=200.1	-P	Feasible	3575	203845	203875	0.00014765	88040	55932	200	200	40000	40401	40000	80400	2.3081	204174
rc-n=200.1	-U	Optimal	878.68	203845	203865	9.9759e-05	10211	2692	200	200	40000	40401	40000	80200	2.5162	204174
rc-n=200.2	-H	Optimal	487.01	203909	203929	9.8822e-05	1392	449	200	200	40000	80201	40000	120200	14.989	203990
rc-n=200.2	-P	Optimal	155.25	203914	203934	9.9536e-05	1389	559	200	200	40000	40401	40000	80400	2.5402	204178
rc-n=200.2	-U	Optimal	126.7	203914	203933	9.4384e-05	958	358	200	200	40000	40401	40000	80200	2.6122	204178
rc-n=200.3	-H	Optimal	2166.5	203900	203920	9.995e-05	8940	5449	200	200	40000	80201	40000	120200	15.905	204007

filename	params	status	time	value	upper_bound	gap	nodes	nodes_left	bidders	items	edges	columns	binaries	rows	relax_time	relax_value
rc-n=200.3	-P	Optimal	3010.3	203900	203920	9.9992e-05	57787	27938	200	200	40000	40401	40000	80400	2.9082	204208
rc-n=200.3	-U	Optimal	274.21	203900	203920	9.9605e-05	1623	400	200	200	40000	40401	40000	80200	2.6562	204208
rc-n=200.4	-H	Feasible	3505.9	203862	203889	0.00013191	9647	6123	200	200	40000	80201	40000	120200	15.589	203999
rc-n=200.4	-P	Feasible	3572.8	203862	203885	0.00011078	60528	28544	200	200	40000	40401	40000	80400	2.5602	204214
rc-n=200.4	-U	Optimal	459.24	203859	203879	9.9917e-05	5449	3331	200	200	40000	40401	40000	80200	2.6082	204214
rc-n=200.5	-H	Optimal	1210	203941	203961	9.9268e-05	3966	1824	200	200	40000	80201	40000	120200	15.161	204043
rc-n=200.5	-P	Optimal	998.42	203941	203961	9.9996e-05	15411	2564	200	200	40000	40401	40000	80400	2.5322	204231
rc-n=200.5	-U	Optimal	245.59	203940	203960	9.9819e-05	1335	498	200	200	40000	40401	40000	80200	2.4842	204231
rc-n=200.6	-H	Optimal	1010	203829	203849	9.982e-05	3005	1125	200	200	40000	80201	40000	120200	14.329	203920
rc-n=200.6	-P	Optimal	291.55	203830	203850	9.9982e-05	6788	3846	200	200	40000	40401	40000	80400	2.7202	204144
rc-n=200.6	-U	Optimal	183.56	203830	203849	9.4872e-05	505	249	200	200	40000	40401	40000	80200	2.7322	204144
rc-n=200.7	-H	Feasible	3511.6	203764	203791	0.0001341	10100	5394	200	200	40000	80201	40000	120200	15.209	203899
rc-n=200.7	-P	Feasible	3573	203765	203791	0.00012801	47178	22456	200	200	40000	40401	40000	80400	2.3121	204108
rc-n=200.7	-U	Optimal	412.49	203765	203785	9.9988e-05	4584	2181	200	200	40000	40401	40000	80200	2.8722	204108
rc-n=200.8	-H	Feasible	3523.9	203838	203860	0.00010974	9710	3295	200	200	40000	80201	40000	120200	15.745	203975
rc-n=200.8	-P	Feasible	3572	203838	203863	0.00012269	72137	40075	200	200	40000	40401	40000	80400	3.0562	204165
rc-n=200.8	-U	Optimal	407.41	203838	203858	9.9961e-05	3802	1925	200	200	40000	40401	40000	80200	2.7162	204165
rc-n=200.9	-H	Feasible	3497.5	203849	203900	0.00025232	11454	5077	200	200	40000	80201	40000	120200	11.833	204000
rc-n=200.9	-P	Feasible	3577.7	203849	203905	0.00027287	48103	28778	200	200	40000	40401	40000	80400	1.9081	204206
rc-n=200.9	-U	Optimal	1037.5	203849	203869	9.9856e-05	12699	2840	200	200	40000	40401	40000	80200	2.3962	204206
rc-n=250.0	-H	Feasible	3459.3	254936	255029	0.00036402	4315	2842	250	250	62500	125251	62500	187750	33.15	255116
rc-n=250.0	-P	Feasible	3517.7	254935	255035	0.00039116	11574	6962	250	250	62500	63001	62500	125500	5.9884	255339
rc-n=250.0	-U	Feasible	3465.5	254938	254999	0.00023895	17534	6108	250	250	62500	63001	62500	125250	5.9004	255339
rc-n=250.1	-H	Feasible	3467.1	255025	255069	0.0001733	6029	3957	250	250	62500	125251	62500	187750	26.578	255162
rc-n=250.1	-P	Feasible	3541.2	255025	255085	0.00023644	30267	13707	250	250	62500	63001	62500	125500	4.1643	255328
rc-n=250.1	-U	Optimal	701.02	255025	255050	9.9989e-05	5610	3516	250	250	62500	63001	62500	125250	6.4284	255328
rc-n=250.2	-H	Feasible	3470.4	255049	255088	0.00015473	7387	4737	250	250	62500	125251	62500	187750	33.526	255165
rc-n=250.2	-P	Feasible	3534.2	255049	255081	0.00012651	30590	11464	250	250	62500	63001	62500	125500	6.3004	255360
rc-n=250.2	-U	Optimal	645.5	255049	255075	9.9998e-05	5859	3788	250	250	62500	63001	62500	125250	6.0204	255360
rc-n=250.3	-H	Feasible	3473.6	255006	255048	0.00016333	7094	4352	250	250	62500	125251	62500	187750	32.766	255118
rc-n=250.3	-P	Optimal	2840.1	255008	255033	9.9988e-05	40746	22160	250	250	62500	63001	62500	125500	4.9843	255318
rc-n=250.3	-U	Optimal	438.04	255006	255031	9.9776e-05	791	198	250	250	62500	63001	62500	125250	5.9124	255318
rc-n=250.4	-H	Feasible	3466.3	254980	255019	0.00015363	6350	3162	250	250	62500	125251	62500	187750	29.882	255103
rc-n=250.4	-P	Feasible	3539.2	254980	255024	0.00017432	24563	9341	250	250	62500	63001	62500	125500	5.1643	255338
rc-n=250.4	-U	Optimal	1748.4	254980	255005	9.9929e-05	12147	3087	250	250	62500	63001	62500	125250	5.8964	255338
rc-n=250.5	-H	Feasible	3486.9	255040	255079	0.0001526	6818	4086	250	250	62500	125251	62500	187750	26.558	255167
rc-n=250.5	-P	Feasible	3542.5	255040	255082	0.00016505	26381	10465	250	250	62500	63001	62500	125500	3.9522	255371
rc-n=250.5	-U	Optimal	659.67	255040	255065	9.9827e-05	3606	1675	250	250	62500	63001	62500	125250	6.1164	255371
rc-n=250.6	-H	Feasible	3426.8	254762	254971	0.00082121	2069	1097	250	250	62500	125251	62500	187750	32.166	255053
rc-n=250.6	-P	Feasible	3447.6	254775	254984	0.00082097	9444	6847	250	250	62500	63001	62500	125500	4.1803	255285
rc-n=250.6	-U	Feasible	3441.4	254775	254954	0.00070353	10933	3421	250	250	62500	63001	62500	125250	6.4324	255285
rc-n=250.7	-H	Feasible	3460.1	254911	254992	0.00031697	3852	2344	250	250	62500	125251	62500	187750	34.766	255083
rc-n=250.7	-P	Feasible	3519.8	254913	255005	0.00036074	13834	6277	250	250	62500	63001	62500	125500	4.6323	255306
rc-n=250.7	-U	Feasible	3537	254913	254966	0.000207	17254	4636	250	250	62500	63001	62500	125250	6.3724	255306
rc-n=250.8	-H	Feasible	3478.7	255046	255091	0.00017657	5344	2753	250	250	62500	125251	62500	187750	29.762	255201
rc-n=250.8	-P	Feasible	3435.4	255038	255103	0.00025504	18072	4641	250	250	62500	63001	62500	125500	5.3323	255375
rc-n=250.8	-U	Optimal	3219.8	255046	255071	9.7447e-05	17766	3517	250	250	62500	63001	62500	125250	6.2324	255375
rc-n=250.9	-H	Optimal	2787.3	255181	255207	9.9957e-05	6068	4076	250	250	62500	125251	62500	187750	30.574	255256
rc-n=250.9	-P	Optimal	973.34	255181	255206	9.9899e-05	16244	4480	250	250	62500	63001	62500	125500	5.4283	255436
rc-n=250.9	-U	Optimal	228.47	255181	255206	9.9225e-05	484	378	250	250	62500	63001	62500	125250	5.7684	255436