filename	params	status	time	value	upper_bound	gap	nodes	nodes_left	bidders	items	edges	columns	binaries	rows	relax_time	relax_value
c-n=100-c=19-p=7-o=8-l=1-h=100-d=0.25.0	-H	Optimal	10.389	8141.1	8141.1	-2.2343e-16	1045	0	100	100	795	1691	795	2485	0.024001	8505.8
c-n=100-c=19-p=7-o=8-l=1-h=100-d=0.25.0	-M	Optimal	33.618	8141.1	8141.8	8.8883e-05	2079	22	100	100	795	8850	795	10439	0.15601	8504.9
c-n=100-c=19-p=7-o=8-l=1-h=100-d=0.25.0	-P	Optimal	13.757	8141.1	8141.9	9.9689e-05	6354	79	100	100	795	996	795	1790	0.012001	8951.5
c-n=100-c=19-p=7-o=8-l=1-h=100-d=0.25.0	-U	Optimal	8.3645	8141.1	8141.9	9.4719e-05	2057	21	100	100	795	996	795	1690	0.008001	8951.5
c-n=100-c=19-p=7-o=8-l=1-h=100-d=0.25.1	-H	Optimal	17.269	8617.1	8617.8	8.6298e-05	2999	20	100	100	836	1773	836	2608	0.020001	9061.7
c-n=100-c=19-p=7-o=8-l=1-h=100-d=0.25.1	-M	Optimal	64.528	8617.1	8617.9	9.982e-05	6699	85	100	100	836	9541	836	11212	0.13201	9061.6
c-n=100-c=19-p=7-o=8-l=1-h=100-d=0.25.1	-P	Optimal	58.396	8617.1	8617.9	9.9499e-05	26601	263	100	100	836	1037	836	1872	0.012001	9454.8
c-n=100-c=19-p=7-o=8-l=1-h=100-d=0.25.1	-U	Optimal	22.381	8617.1	8617.9	9.9703e-05	7216	87	100	100	836	1037	836	1772	0.008001	9454.8
c-n=100-c=19-p=7-o=8-l=1-h=100-d=0.25.2	-H	Optimal	29.286	8092.5	8093.3	9.8019e-05	5415	74	100	100	786	1673	786	2458	0.024001	8513.4
c-n=100-c=19-p=7-o=8-l=1-h=100-d=0.25.2	-M	Optimal	130.21	8092.5	8093.3	9.9937e-05	13161	139	100	100	786	8561	786	10132	0.14401	8513
c-n=100-c=19-p=7-o=8-l=1-h=100-d=0.25.2	-P	Optimal	118.67	8092.5	8093.3	9.9893e-05	83032	849	100	100	786	987	786	1772	0.012	9030
c-n=100-c=19-p=7-o=8-l=1-h=100-d=0.25.2	-U	Optimal	29.454	8092.5	8093.3	9.7772e-05	13263	135	100	100	786	987	786	1672	0.008001	9030
c-n=100-c=19-p=7-o=8-l=1-h=100-d=0.25.3	-H	Optimal	17.825	8713.3	8714.1	9.8557e-05	3374	43	100	100	798	1697	798	2494	0.032002	9139.4
c-n=100-c=19-p=7-o=8-l=1-h=100-d=0.25.3	-M	Optimal	49.307	8713.3	8714.1	9.9073e-05	4522	55	100	100	798	8941	798	10536	0.15201	9139.4
c-n=100-c=19-p=7-o=8-l=1-h=100-d=0.25.3	-P	Optimal	40.823	8713.3	8714.1	9.9481e-05	23355	297	100	100	798	999	798	1796	0.012	9644.8
c-n=100-c=19-p=7-o=8-l=1-h=100-d=0.25.3	-U	Optimal	19.917	8713.3	8714.1	9.9099e-05	8776	88	100	100	798	999	798	1696	0.008	9644.8
c-n=100-c=19-p=7-o=8-l=1-h=100-d=0.25.4	-H	Optimal	24.701	8503.5	8504.3	9.924e-05	5564	67	100	100	819	1739	819	2557	0.024002	8954.5
c-n=100-c=19-p=7-o=8-l=1-h=100-d=0.25.4	-M	Optimal	75.525	8503.5	8504.3	9.9766e-05	9171	170	100	100	819	9094	819	10731	0.14001	8954.1
c-n=100-c=19-p=7-o=8-l=1-h=100-d=0.25.4	-P	Optimal	111.67	8503.5	8504.3	9.9957e-05	75762	908	100	100	819	1020	819	1838	0.012001	9360.9
c-n=100-c=19-p=7-o=8-l=1-h=100-d=0.25.4	-U	Optimal	34.23	8503.5	8504.3	9.9899e-05	16646	190	100	100	819	1020	819	1738	0.008001	9360.9
c-n=100-c=19-p=7-o=8-l=1-h=100-d=0.25.5	-H	Optimal	7.5845	8897.5	8898.4	9.504e-05	1951	21	100	100	802	1705	802	2506	0.024002	9260
c-n=100-c=19-p=7-o=8-l=1-h=100-d=0.25.5	-M	Optimal	12.237	8897.5	8898.4	9.7164e-05	1321	12	100	100	802	8803	802	10406	0.13601	9260
c-n=100-c=19-p=7-o=8-l=1-h=100-d=0.25.5	-P	Optimal	7.5205	8897.5	8898.4	9.925e-05	1641	7	100	100	802	1003	802	1804	0.008001	9835.5
c-n=100-c=19-p=7-o=8-l=1-h=100-d=0.25.5	-U	Optimal	3.8682	8897.5	8898.3	9.1622e-05	1728	14	100	100	802	1003	802	1704	0.008001	9835.5
c-n=100-c=19-p=7-o=8-l=1-h=100-d=0.25.6	-H	Optimal	12.477	8411.3	8412	9.4088e-05	2836	41	100	100	800	1701	800	2500	0.016001	8788.4
c-n=100-c=19-p=7-o=8-l=1-h=100-d=0.25.6	-M	Optimal	54.299	8411.3	8412.1	9.9721e-05	5584	89	100	100	800	8847	800	10446	0.16401	8787.8
c-n=100-c=19-p=7-o=8-l=1-h=100-d=0.25.6	-P	Optimal	30.774	8411.3	8412.1	9.983e-05	19956	269	100	100	800	1001	800	1800	0.012001	9173.5
c-n=100-c=19-p=7-o=8-l=1-h=100-d=0.25.6	-U	Optimal	11.601	8411.3	8412.1	9.9071e-05	4071	36	100	100	800	1001	800	1700	0.008001	9173.5
c-n=100-c=19-p=7-o=8-l=1-h=100-d=0.25.7	-H	Optimal	16.509	8797.6	8798.5	9.7951e-05	2495	33	100	100	821	1743	821	2563	0.020001	9266
c-n=100-c=19-p=7-o=8-l=1-h=100-d=0.25.7	-M	Optimal	53.851	8797.6	8798.5	9.9231e-05	3912	40	100	100	821	9362	821	11003	0.16001	9265.7
c-n=100-c=19-p=7-o=8-l=1-h=100-d=0.25.7	-P	Optimal	20.061	8797.6	8798.5	9.9343e-05	9210	82	100	100	821	1022	821	1842	0.012001	9738.5
c-n=100-c=19-p=7-o=8-l=1-h=100-d=0.25.7	-U	Optimal	17.857	8797.6	8798.5	9.6985e-05	4378	29	100	100	821	1022	821	1742	0.008001	9738.5
c-n=100-c=19-p=7-o=8-l=1-h=100-d=0.25.8	-H	Optimal	16.689	9165	9165.9	9.4619e-05	2658	36	100	100	792	1685	792	2476	0.024002	9610.1
c-n=100-c=19-p=7-o=8-l=1-h=100-d=0.25.8	-M	Optimal	42.283	9165	9165.9	9.9882e-05	2910	27	100	100	792	8655	792	10238	0.17601	9607.5
c-n=100-c=19-p=7-o=8-l=1-h=100-d=0.25.8	-P	Optimal	25.002	9165	9165.9	9.9467e-05	13332	161	100	100	792	993	792	1784	0.012001	10181
c-n=100-c=19-p=7-o=8-l=1-h=100-d=0.25.8	-U	Optimal	20.373	9165	9165.9	9.8059e-05	7665	90	100	100	792	993	792	1684	0.008001	10181
c-n=100-c=19-p=7-o=8-l=1-h=100-d=0.25.9	-H	Optimal	176.07	8781.7	8782.5	9.9486e-05	50338	759	100	100	785	1671	785	2455	0.024002	9337
c-n=100-c=19-p=7-o=8-l=1-h=100-d=0.25.9	-M	Optimal	506	8781.7	8782.5	9.9867e-05	69263	1011	100	100	785	8496	785	10065	0.18001	9336.5
c-n=100-c=19-p=7-o=8-l=1-h=100-d=0.25.9	-P	Optimal	668.42	8781.7	8782.5	9.999e-05	447974	3825	100	100	785	986	785	1770	0.012001	9810
c-n=100-c=19-p=7-o=8-l=1-h=100-d=0.25.9	-U	Optimal	133.6	8781.7	8782.5	9.9748e-05	57820	625	100	100	785	986	785	1670	0.008	9810
c-n=150-c=22-p=7-o=8-l=1-h=100-d=0.25.0	-H	Optimal	40.927	12955	12956	9.9647e-05	5426	174	150	150	1173	2497	1173	3669	0.032002	13481
c-n=150-c=22-p=7-o=8-l=1-h=100-d=0.25.0	-M	Optimal	132.81	12955	12956	9.9431e-05	10429	416	150	150	1173	12780	1173	15125	0.22401	13481
c-n=150-c=22-p=7-o=8-l=1-h=100-d=0.25.0	-P	Optimal	100.49	12955	12956	9.9742e-05	44806	946	150	150	1173	1474	1173	2646	0.020001	14063
c-n=150-c=22-p=7-o=8-l=1-h=100-d=0.25.0	-U	Optimal	61.668	12955	12956	9.9969e-05	12911	320	150	150	1173	1474	1173	2496	0.008	14063
c-n=150-c=22-p=7-o=8-l=1-h=100-d=0.25.1	-H	Feasible	3573.1	12008	12021	0.0010973	952064	217044	150	150	1136	2423	1136	3558	0.036002	12877
c-n=150-c=22-p=7-o=8-l=1-h=100-d=0.25.1	-M	Feasible	3579.1	12008	12074	0.0054867	275623	181380	150	150	1136	12359	1136	14630	0.23201	12876
c-n=150-c=22-p=7-o=8-l=1-h=100-d=0.25.1	-P	Feasible	3573.7	12008	12136	0.010712	2084210	1651344	150	150	1136	1437	1136	2572	0.020002	13635
c-n=150-c=22-p=7-o=8-l=1-h=100-d=0.25.1	-U	Feasible	3574.9	12008	12046	0.0031897	1129276	590273	150	150	1136	1437	1136	2422	0.008001	13635
c-n=150-c=22-p=7-o=8-l=1-h=100-d=0.25.2	-H	Optimal	473.13	12848	12849	9.9998e-05	85969	1683	150	150	1163	2477	1163	3639	0.036002	13460
c-n=150-c=22-p=7-o=8-l=1-h=100-d=0.25.2	-M	Optimal	1076.4	12848	12849	9.9993e-05	91582	1704	150	150	1163	12544	1163	14869	0.23201	13460
c-n=150-c=22-p=7-o=8-l=1-h=100-d=0.25.2	-P	Optimal	976.46	12848	12849	9.9993e-05	535809	5841	150	150	1163	1464	1163	2626	0.020002	14218
c-n=150-c=22-p=7-o=8-l=1-h=100-d=0.25.2	-U	Optimal	411.26	12848	12849	9.9939e-05	151886	2589	150	150	1163	1464	1163	2476	0.012	14218
c-n=150-c=22-p=7-o=8-l=1-h=100-d=0.25.3	-H	Optimal	209.99	12001	12002	9.973e-05	33486	715	150	150	1196	2542	1196	3738	0.040002	12573
c-n=150-c=22-p=7-o=8-l=1-h=100-d=0.25.3	-M	Optimal	851.32	12001	12002	9.9902e-05	84541	1650	150	150	1196	13352	1196	15744	0.30002	12573
c-n=150-c=22-p=7-o=8-l=1-h=100-d=0.25.3	-P	Optimal	2722.2	12001	12002	9.9999e-05	1598996	22058	150	150	1196	1496	1196	2692	0.020001	13244
c-n=150-c=22-p=7-o=8-l=1-h=100-d=0.25.3	-U	Optimal	798.21	12001	12002	9.9979e-05	288340	5075	150	150	1196	1496	1196	2542	0.012001	13244
c-n=150-c=22-p=7-o=8-l=1-h=100-d=0.25.4	-H	Optimal	804.31	12082	12083	9.9995e-05	222117	4826	150	150	1153	2457	1153	3609	0.036002	12790
c-n=150-c=22-p=7-o=8-l=1-h=100-d=0.25.4	-M	Optimal	3193.8	12082	12083	0.0001	369918	7720	150	150	1153	12310	1153	14615	0.24002	12788
c-n=150-c=22-p=7-o=8-l=1-h=100-d=0.25.4	-P	Feasible	3572	12082	12120	0.0031608	1854576	893617	150	150	1153	1454	1153	2606	0.032002	13516
c-n=150-c=22-p=7-o=8-l=1-h=100-d=0.25.4	-U	Optimal	1053.3	12082	12083	9.9988e-05	369646	5510	150	150	1153	1454	1153	2456	0.012001	13516
c-n=150-c=22-p=7-o=8-l=1-h=100-d=0.25.5	-H	Optimal	29.266	13282	13284	9.5877e-05	3723	91	150	150	1167	2485	1167	3651	0.036002	13847
c-n=150-c=22-p=7-o=8-l=1-h=100-d=0.25.5	-M	Optimal	80.801	13282	13284	9.9227e-05	3836	109	150	150	1167	12538	1167	14871	0.22801	13847
c-n=150-c=22-p=7-o=8-l=1-h=100-d=0.25.5	-P	Optimal	100.51	13282	13284	9.9776e-05	42066	947	150	150	1167	1468	1167	2634	0.016001	14500
c-n=150-c=22-p=7-o=8-l=1-h=100-d=0.25.5	-U	Optimal	96.778	13282	13284	9.9719e-05	19378	152	150	150	1167	1468	1167	2484	0.012	14500
c-n=150-c=22-p=7-o=8-l=1-h=100-d=0.25.6	-H	Optimal	395.96	13547	13548	9.9875e-05	70039	1789	150	150	1210	2571	1210	3780	0.044003	14170
c-n=150-c=22-p=7-o=8-l=1-h=100-d=0.25.6	-M	Optimal	1398.3	13547	13548	9.9943e-05	148977	3334	150	150	1210	13273	1210	15692	0.28002	14169
c-n=150-c=22-p=7-o=8-l=1-h=100-d=0.25.6	-P	Feasible	3574	13547	13558	0.00076068	1788233	240546	150	150	1210	1511	1210	2720	0.020002	14899
c-n=150-c=22-p=7-o=8-l=1-h=100-d=0.25.6	-U	Optimal	951.3	13547	13548	9.9999e-05	289623	4430	150	150	1210	1511	1210	2570	0.012	14899
c-n=150-c=22-p=7-o=8-l=1-h=100-d=0.25.7	-H	Optimal	141.51	12555	12557	9.9611e-05	21579	398	150	150	1216	2583	1216	3798	0.040002	13162
c-n=150-c=22-p=7-o=8-l=1-h=100-d=0.25.7	-M	Optimal	747.29	12555	12557	9.9968e-05	43174	1098	150	150	1216	13609	1216	16040	0.28002	13161
c-n=150-c=22-p=7-o=8-l=1-h=100-d=0.25.7	-P	Optimal	1622.6	12555	12557	9.9979e-05	813127	17910	150	150	1216	1517	1216	2732	0.020001	13806
c-n=150-c=22-p=7-o=8-l=1-h=100-d=0.25.7	-U	Optimal	253.1	12555	12557	9.9997e-05	67336	1453	150	150	1216	1517	1216	2582	0.012001	13806
c-n=150-c=22-p=7-o=8-l=1-h=100-d=0.25.8	-H	Optimal	1730	12970	12972	9.9997e-05	418199	6658	150	150	1156	2463	1156	3618	0.036002	13653
c-n=150-c=22-p=7-o=8-l=1-h=100-d=0.25.8	-M	Feasible	3579.9	12970	13002	0.002437	258493	118149	150	150	1156	12825	1156	15136	0.24002	13652
c-n=150-c=22-p=7-o=8-l=1-h=100-d=0.25.8	-P	Feasible	3571.7	12970	13010	0.0030355	1852007	878861	150	150	1156	1457	1156	2612	0.016001	14396
c-n=150-c=22-p=7-o=8-l=1-h=100-d=0.25.8	-U	Optimal	1969.2	12970	12972	9.9999e-05	756789	9059	150	150	1156	1457	1156	2462	0.012	14396
c-n=150-c=22-p=7-o=8-l=1-h=100-d=0.25.9	-H	Optimal	610.61	13045	13047	9.9987e-05	133710	2607	150	150	1206	2563	1206	3768	0.040003	13895
c-n=150-c=22-p=7-o=8-l=1-h=100-d=0.25.9	-M	Optimal	3278.9	13045	13047	9.9986e-05	238296	3279	150	150	1206	13393	1206	15804	0.26402	13893
c-n=150-c=22-p=7-o=8-l=1-h=100-d=0.25.9	-P	Feasible	3572.6	13045	13077	0.0024515	1783002	709833	150	150	1206	1507	1206	2712	0.020001	14695
c-n=150-c=22-p=7-o=8-l=1-h=100-d=0.25.9	-U	Optimal	1803.7	13045	13047	9.9979e-05	637366	9402	150	150	1206	1507	1206	2562	0.016001	14695

filename	params	status	time	value	upper_bound	gap	nodes	nodes_left	bidders	items	edges	columns	binaries	rows	relax_time	relax_value
c-n=200-c=25-p=7-o=8-l=1-h=100-d=0.25.0	-H	Optimal	1951.7	16215	16217	9.9998e-05	307330	9907	200	200	1418	3037	1418	4454	0.048003	17048
c-n=200-c=25-p=7-o=8-l=1-h=100-d=0.25.0	-M	Feasible	3578.7	16215	16248	0.0020356	192636	102728	200	200	1418	14419	1418	17254	0.26402	17048
c-n=200-c=25-p=7-o=8-l=1-h=100-d=0.25.0	-P	Feasible	3569.8	16215	16282	0.0041395	1407686	986109	200	200	1418	1819	1418	3236	0.028002	17926
c-n=200-c=25-p=7-o=8-l=1-h=100-d=0.25.0	-U	Feasible	3576.1	16215	16240	0.0015237	836586	348579	200	200	1418	1819	1418	3036	0.012001	17926
c-n=200-c=25-p=7-o=8-l=1-h=100-d=0.25.1	-H	Optimal	1312.9	16784	16786	9.9996e-05	261530	9733	200	200	1421	3043	1421	4463	0.044003	17536
c-n=200-c=25-p=7-o=8-l=1-h=100-d=0.25.1	-M	Feasible	3578.6	16784	16789	0.00031405	301110	37271	200	200	1421	14524	1421	17365	0.26002	17535
c-n=200-c=25-p=7-o=8-l=1-h=100-d=0.25.1	-P	Feasible	3565.1	16784	16844	0.0035802	1852457	1261777	200	200	1421	1822	1421	3242	0.024002	18454
c-n=200-c=25-p=7-o=8-l=1-h=100-d=0.25.1	-U	Feasible	3574.3	16784	16815	0.0018583	1077305	525297	200	200	1421	1822	1421	3042	0.016001	18454
c-n=200-c=25-p=7-o=8-l=1-h=100-d=0.25.2	-H	Feasible	3576.7	16255	16269	0.00087429	532031	150493	200	200	1411	3021	1411	4433	0.048003	17055
c-n=200-c=25-p=7-o=8-l=1-h=100-d=0.25.2	-M	Feasible	3578.6	16255	16278	0.0014213	214945	86870	200	200	1411	14332	1411	17155	0.32402	17053
c-n=200-c=25-p=7-o=8-l=1-h=100-d=0.25.2	-P	Feasible	3569.5	16255	16335	0.0049569	1446519	1038004	200	200	1411	1810	1411	3222	0.040002	18004
c-n=200-c=25-p=7-o=8-l=1-h=100-d=0.25.2	-U	Feasible	3574.2	16255	16302	0.0029193	773721	468117	200	200	1411	1810	1411	3022	0.012001	18004
c-n=200-c=25-p=7-o=8-l=1-h=100-d=0.25.3	-H	Optimal	133.18	17991	17993	9.992e-05	15279	372	200	200	1425	3051	1425	4475	0.052003	18764
c-n=200-c=25-p=7-o=8-l=1-h=100-d=0.25.3	-M	Optimal	597.2	17991	17993	9.9417e-05	31450	702	200	200	1425	14618	1425	17467	0.28402	18764
c-n=200-c=25-p=7-o=8-l=1-h=100-d=0.25.3	-P	Optimal	2048.2	17991	17993	9.9999e-05	776164	15416	200	200	1425	1826	1425	3250	0.028001	19773
c-n=200-c=25-p=7-o=8-l=1-h=100-d=0.25.3	-U	Optimal	334.07	17991	17993	9.9955e-05	89513	2690	200	200	1425	1826	1425	3050	0.016001	19773
c-n=200-c=25-p=7-o=8-l=1-h=100-d=0.25.4	-H	Optimal	256.18	17053	17054	9.9947e-05	47690	1579	200	200	1392	2985	1392	4376	0.044003	17810
c-n=200-c=25-p=7-o=8-l=1-h=100-d=0.25.4	-M	Optimal	2447.1	17053	17054	9.9985e-05	213359	5916	200	200	1392	14227	1392	17010	0.28002	17810
c-n=200-c=25-p=7-o=8-l=1-h=100-d=0.25.4	-P	Feasible	3572	17053	17068	0.00086788	1580284	471187	200	200	1392	1793	1392	3184	0.024001	18699
c-n=200-c=25-p=7-o=8-l=1-h=100-d=0.25.4	-U	Optimal	2055.1	17053	17054	9.9994e-05	638897	15389	200	200	1392	1793	1392	2984	0.012001	18699
c-n=200-c=25-p=7-o=8-l=1-h=100-d=0.25.5	-H	Optimal	236.88	16408	16409	9.9981e-05	25028	568	200	200	1396	2991	1396	4388	0.048003	17260
c-n=200-c=25-p=7-o=8-l=1-h=100-d=0.25.5	-M	Optimal	778.02	16408	16409	9.9997e-05	42570	1341	200	200	1396	14067	1396	16860	0.25202	17260
c-n=200-c=25-p=7-o=8-l=1-h=100-d=0.25.5	-P	Feasible	3568.4	16408	16442	0.0020976	1679262	900635	200	200	1396	1795	1396	3192	0.028002	18117
c-n=200-c=25-p=7-o=8-l=1-h=100-d=0.25.5	-U	Optimal	430.04	16408	16409	9.9994e-05	127385	3643	200	200	1396	1795	1396	2992	0.020001	18117
c-n=200-c=25-p=7-o=8-l=1-h=100-d=0.25.6	-H	Feasible	3574.9	16918	16919	0.00011018	817548	23189	200	200	1381	2963	1381	4343	0.052003	17758
c-n=200-c=25-p=7-o=8-l=1-h=100-d=0.25.6	-M	Feasible	3578.8	16918	16953	0.002116	335448	177317	200	200	1381	14062	1381	16823	0.26002	17756
c-n=200-c=25-p=7-o=8-l=1-h=100-d=0.25.6	-P	Feasible	3569.4	16918	17017	0.0059058	1532853	1210763	200	200	1381	1782	1381	3162	0.024001	18683
c-n=200-c=25-p=7-o=8-l=1-h=100-d=0.25.6	-U	Feasible	3575.1	16918	16949	0.0018374	811151	353732	200	200	1381	1782	1381	2962	0.008001	18683
c-n=200-c=25-p=7-o=8-l=1-h=100-d=0.25.7	-H	Optimal	845.66	16888	16890	9.9973e-05	184544	6337	200	200	1426	3053	1426	4478	0.048003	17747
c-n=200-c=25-p=7-o=8-l=1-h=100-d=0.25.7	-M	Feasible	3578.2	16888	16910	0.0012439	281190	109665	200	200	1426	14697	1426	17548	0.27602	17746
c-n=200-c=25-p=7-o=8-l=1-h=100-d=0.25.7	-P	Feasible	3566.9	16888	16959	0.0041885	1813571	1235809	200	200	1426	1827	1426	3252	0.024001	18603
c-n=200-c=25-p=7-o=8-l=1-h=100-d=0.25.7	-U	Feasible	3574.3	16888	16919	0.0018295	678167	306999	200	200	1426	1827	1426	3052	0.016001	18603
c-n=200-c=25-p=7-o=8-l=1-h=100-d=0.25.8	-H	Optimal	1556.5	16885	16886	9.9983e-05	347348	12007	200	200	1370	2940	1370	4310	0.048003	17706
c-n=200-c=25-p=7-o=8-l=1-h=100-d=0.25.8	-M	Feasible	3575.2	16885	16909	0.0014528	316182	148522	200	200	1370	13554	1370	16294	0.23201	17704
c-n=200-c=25-p=7-o=8-l=1-h=100-d=0.25.8	-P	Feasible	3567.6	16885	16945	0.0035794	1705480	1197179	200	200	1370	1770	1370	3140	0.024001	18487
c-n=200-c=25-p=7-o=8-l=1-h=100-d=0.25.8	-U	Feasible	3575.7	16885	16889	0.00025739	1090424	79194	200	200	1370	1770	1370	2940	0.012001	18487
c-n=200-c=25-p=7-o=8-l=1-h=100-d=0.25.9	-H	Optimal	221.59	16870	16872	9.9688e-05	17961	234	200	200	1399	2999	1399	4397	0.044003	17686
c-n=200-c=25-p=7-o=8-l=1-h=100-d=0.25.9	-M	Optimal	2106.7	16870	16872	9.9958e-05	164146	4489	200	200	1399	14148	1399	16945	0.28002	17683
c-n=200-c=25-p=7-o=8-l=1-h=100-d=0.25.9	-P	Feasible	3569.5	16870	16898	0.0016211	1467303	552799	200	200	1399	1800	1399	3198	0.024001	18626
c-n=200-c=25-p=7-o=8-l=1-h=100-d=0.25.9	-U	Optimal	909.71	16870	16872	9.9977e-05	264013	6768	200	200	1399	1800	1399	2998	0.012001	18626
c-n=250-c=26-p=7-o=8-l=1-h=100-d=0.25.0	-H	Feasible	3573.7	19972	20005	0.0016479	431239	230826	250	250	1827	3905	1827	5731	0.076005	21021
c-n=250-c=26-p=7-o=8-l=1-h=100-d=0.25.0	-M	Feasible	3578.1	19972	20062	0.0044906	121013	91695	250	250	1827	19044	1827	22697	0.43603	21019
c-n=250-c=26-p=7-o=8-l=1-h=100-d=0.25.0	-P	Feasible	3565.6	19972	20130	0.0079001	1227984	1071602	250	250	1827	2328	1827	4154	0.036002	22157
c-n=250-c=26-p=7-o=8-l=1-h=100-d=0.25.0	-U	Feasible	3569.4	19972	20064	0.0046231	583583	446971	250	250	1827	2328	1827	3904	0.020001	22157
c-n=250-c=26-p=7-o=8-l=1-h=100-d=0.25.1	-H	Feasible	3573.8	22664	22693	0.001284	373338	161449	250	250	1938	4126	1938	6064	0.072005	23707
c-n=250-c=26-p=7-o=8-l=1-h=100-d=0.25.1	-M	Feasible	3576.5	22664	22704	0.0017734	241574	140137	250	250	1938	21122	1938	24998	0.49203	23706
c-n=250-c=26-p=7-o=8-l=1-h=100-d=0.25.1	-P	Feasible	3566.5	22664	22794	0.0057349	1093284	865500	250	250	1938	2438	1938	4376	0.032002	24973
c-n=250-c=26-p=7-o=8-l=1-h=100-d=0.25.1	-U	Feasible	3569.1	22664	22738	0.0033042	574691	363356	250	250	1938	2438	1938	4126	0.008	24973
c-n=250-c=26-p=7-o=8-l=1-h=100-d=0.25.2	-H	Feasible	3571.3	21523	21563	0.0018396	499604	279923	250	250	1931	4113	1931	6043	0.064004	22687
c-n=250-c=26-p=7-o=8-l=1-h=100-d=0.25.2	-M	Feasible	3578.3	21523	21632	0.0050713	110580	87457	250	250	1931	21058	1931	24919	0.48803	22686
c-n=250-c=26-p=7-o=8-l=1-h=100-d=0.25.2	-P	Feasible	3568.4	21523	21720	0.0091717	1086215	956951	250	250	1931	2432	1931	4362	0.032002	23794
c-n=250-c=26-p=7-o=8-l=1-h=100-d=0.25.2	-U	Feasible	3569.2	21523	21622	0.0045845	710753	525833	250	250	1931	2432	1931	4112	0.024002	23794
c-n=250-c=26-p=7-o=8-l=1-h=100-d=0.25.3	-H	Optimal	147.61	21807	21809	9.8062e-05	14124	297	250	250	1942	4134	1942	6076	0.064004	22660
c-n=250-c=26-p=7-o=8-l=1-h=100-d=0.25.3	-M	Optimal	810.25	21807	21809	9.9967e-05	35832	1680	250	250	1942	21134	1942	25018	0.54003	22659
c-n=250-c=26-p=7-o=8-l=1-h=100-d=0.25.3	-P	Feasible	3566.5	21807	21844	0.0016838	1275429	729310	250	250	1942	2442	1942	4384	0.036002	23810
c-n=250-c=26-p=7-o=8-l=1-h=100-d=0.25.3	-U	Optimal	1556.4	21807	21809	9.999e-05	334276	11815	250	250	1942	2442	1942	4134	0.024002	23810
c-n=250-c=26-p=7-o=8-l=1-h=100-d=0.25.4	-H	Optimal	320.9	21392	21394	9.9962e-05	40997	2241	250	250	1909	4068	1909	5977	0.068005	22290
c-n=250-c=26-p=7-o=8-l=1-h=100-d=0.25.4	-M	Feasible	3576.3	21392	21404	0.00058363	149721	34107	250	250	1909	20489	1909	24307	0.43203	22289
c-n=250-c=26-p=7-o=8-l=1-h=100-d=0.25.4	-P	Feasible	3567.7	21392	21445	0.0025054	830624	474598	250	250	1909	2409	1909	4318	0.036002	23457
c-n=250-c=26-p=7-o=8-l=1-h=100-d=0.25.4	-U	Optimal	977.87	21392	21394	9.9976e-05	140641	4857	250	250	1909	2409	1909	4068	0.020001	23457
c-n=250-c=26-p=7-o=8-l=1-h=100-d=0.25.5	-H	Optimal	589.68	21470	21473	9.999e-05	75679	4457	250	250	1931	4113	1931	6043	0.068005	22355
c-n=250-c=26-p=7-o=8-l=1-h=100-d=0.25.5	-M	Feasible	3575.4	21470	21492	0.00098493	179558	73575	250	250	1931	20596	1931	24457	0.43203	22355
c-n=250-c=26-p=7-o=8-l=1-h=100-d=0.25.5	-P	Feasible	3566.4	21470	21545	0.0034538	1017074	688833	250	250	1931	2432	1931	4362	0.036002	23552
c-n=250-c=26-p=7-o=8-l=1-h=100-d=0.25.5	-U	Feasible	3572.5	21470	21473	0.00010353	719380	30411	250	250	1931	2432	1931	4112	0.020002	23552
c-n=250-c=26-p=7-o=8-l=1-h=100-d=0.25.6	-H	Feasible	3569.5	21308	21362	0.0025402	407875	282640	250	250	1920	4091	1920	6010	0.072004	22380
c-n=250-c=26-p=7-o=8-l=1-h=100-d=0.25.6	-M	Feasible	3577.8	21308	21417	0.0050943	136515	105227	250	250	1920	21009	1920	24848	0.47203	22379
c-n=250-c=26-p=7-o=8-l=1-h=100-d=0.25.6	-P	Feasible	3566.2	21308	21491	0.0085859	1000965	856792	250	250	1920	2421	1920	4340	0.052004	23597
c-n=250-c=26-p=7-o=8-l=1-h=100-d=0.25.6	-U	Feasible	3568	21308	21407	0.0046276	750397	598221	250	250	1920	2421	1920	4090	0.020001	23597
c-n=250-c=26-p=7-o=8-l=1-h=100-d=0.25.7	-H	Feasible	3572.5	19932	20064	0.0066115	334504	278891	250	250	1993	4237	1993	6229	0.080005	21085
c-n=250-c=26-p=7-o=8-l=1-h=100-d=0.25.7	-M	Feasible	3576.7	19932	20102	0.0085492	101400	87629	250	250	1993	21666	1993	25651	0.47603	21083
c-n=250-c=26-p=7-o=8-l=1-h=100-d=0.25.7	-P	Feasible	3564.2	19932	20172	0.012063	1165938	1073350	250	250	1993	2494	1993	4486	0.028001	22185
c-n=250-c=26-p=7-o=8-l=1-h=100-d=0.25.7	-U	Feasible	3567.9	19932	20111	0.0089893	567233	495169	250	250	1993	2494	1993	4236	0.020002	22185
c-n=250-c=26-p=7-o=8-l=1-h=100-d=0.25.8	-H	Feasible	3565.9	20806	20962	0.0075136	277144	238366	250	250	1964	4179	1964	6142	0.084005	21906
c-n=250-c=26-p=7-o=8-l=1-h=100-d=0.25.8	-M	Feasible	3578.9	20806	20974	0.0080714	140907	119282	250	250	1964	21105	1964	25032	0.46403	21903
c-n=250-c=26-p=7-o=8-l=1-h=100-d=0.25.8	-P	Feasible	3563.8	20806	21079	0.013092	1282081	1177429	250	250	1964	2465	1964	4428	0.028002	23093
c-n=250-c=26-p=7-o=8-l=1-h=100-d=0.25.8	-U	Feasible	3569.7	20806	21010	0.0098163	654984	589782	250	250	1964	2465	1964	4178	0.020001	23093
c-n=250-c=26-p=7-o=8-l=1-h=100-d=0.25.9	-H	Feasible	3572.3	20638	20705	0.0032448	383104	280883	250	250	1879	4009	1879	5887	0.076004	21778
c-n=250-c=26-p=7-o=8-l=1-h=100-d=0.25.9	-M	Feasible	3578.8	20638	20761	0.0059627	132919	103635	250	250	1879	19848	1879	23605	0.41203	21777
c-n=250-c=26-p=7-o=8-l=1-h=100-d=0.25.9	-P	Feasible	3568.1	20638	20851	0.010335	847011	743230	250	250	1879	2380	1879	4258	0.032002	22866
c-n=250-c=26-p=7-o=8-l=1-h=100-d=0.25.9	-U	Feasible	3570.7	20638	20762	0.0060362	555855	449363	250	250	1879	2380	1879	4008	0.016001	22866

filename	params	status	time	value	upper_bound	gap	nodes	nodes_left	bidders	items	edges	columns	binaries	rows	relax_time	relax_value