filename	params	status	time	value	upper_bound	gap	nodes	nodes_left	bidders	items	edges	columns	binaries	rows	relax_time	relax_value
n-n=100-h=3-d=8-m=10.0	-H	Optimal	8.9806	42032	42034	5.474e-05	955	346	100	100	725	1551	725	2275	0.020001	43867
n-n=100-h=3-d=8-m=10.0	-M	Optimal	34.086	42032	42036	9.5718e-05	2497	23	100	100	725	7926	725	9375	0.13201	43867
n-n=100-h=3-d=8-m=10.0	-P	Optimal	6.9244	42032	42036	9.2109e-05	1255	12	100	100	725	926	725	1650	0.012	45642
n-n=100-h=3-d=8-m=10.0	-U	Optimal	8.8526	42032	42036	9.6429e-05	950	6	100	100	725	926	725	1550	0.008	45642
n-n=100-h=3-d=8-m=10.1	-H	Optimal	7.2845	39055	39059	9.8364e-05	1324	18	100	100	704	1509	704	2212	0.020002	41022
n-n=100-h=3-d=8-m=10.1	-M	Optimal	19.861	39055	39059	9.7772e-05	2376	60	100	100	704	7275	704	8682	0.10001	41008
n-n=100-h=3-d=8-m=10.1	-P	Optimal	8.7805	39055	39059	9.7239e-05	3330	31	100	100	704	905	704	1608	0.012001	42354
n-n=100-h=3-d=8-m=10.1	-U	Optimal	8.1285	39055	39059	9.9173e-05	2831	57	100	100	704	905	704	1508	0.008	42354
n-n=100-h=3-d=8-m=10.2	-H	Optimal	7.4725	55521	55522	4.7969e-06	1537	58	100	100	763	1627	763	2389	0.028002	57178
n-n=100-h=3-d=8-m=10.2	-M	Optimal	17.461	55521	55526	7.9326e-05	1310	17	100	100	763	8142	763	9667	0.12801	57178
n-n=100-h=3-d=8-m=10.2	-P	Optimal	6.7764	55521	55526	7.8493e-05	1120	22	100	100	763	964	763	1726	0.012001	59341
n-n=100-h=3-d=8-m=10.2	-U	Optimal	6.9444	55521	55525	6.4934e-05	1520	1	100	100	763	964	763	1626	0.008	59341
n-n=100-h=3-d=8-m=10.3	-H	Optimal	25.566	32237	32240	9.9505e-05	4367	50	100	100	694	1489	694	2182	0.024002	35079
n-n=100-h=3-d=8-m=10.3	-M	Optimal	172.35	32237	32240	9.99e-05	20651	199	100	100	694	7351	694	8738	0.10801	35075
n-n=100-h=3-d=8-m=10.3	-P	Optimal	67.924	32237	32240	9.8972e-05	21032	86	100	100	694	895	694	1588	0.016001	36689
n-n=100-h=3-d=8-m=10.3	-U	Optimal	30.582	32237	32240	9.9454e-05	9578	89	100	100	694	895	694	1488	0.008	36689
n-n=100-h=3-d=8-m=10.4	-H	Optimal	103.29	33620	33623	9.9491e-05	19105	69	100	100	712	1522	712	2236	0.024002	35931
n-n=100-h=3-d=8-m=10.4	-M	Optimal	299.73	33620	33624	9.9892e-05	42268	327	100	100	712	7620	712	9046	0.14401	35930
n-n=100-h=3-d=8-m=10.4	-P	Optimal	100.78	33620	33624	9.9979e-05	49824	347	100	100	712	910	712	1624	0.016001	37999
n-n=100-h=3-d=8-m=10.4	-U	Optimal	68.332	33620	33623	9.6753e-05	23463	179	100	100	712	910	712	1524	0.008001	37999
n-n=100-h=3-d=8-m=10.5	-H	Optimal	9.2566	39708	39710	6.3244e-05	1538	2	100	100	714	1528	714	2242	0.020002	41608
n-n=100-h=3-d=8-m=10.5	-M	Optimal	70.356	39708	39712	9.9001e-05	8259	101	100	100	714	7474	714	8902	0.12001	41608
n-n=100-h=3-d=8-m=10.5	-P	Optimal	20.577	39708	39712	9.9012e-05	9649	82	100	100	714	914	714	1628	0.016001	43567
n-n=100-h=3-d=8-m=10.5	-U	Optimal	11.981	39708	39712	9.0231e-05	2885	14	100	100	714	914	714	1528	0.008	43567
n-n=100-h=3-d=8-m=10.6	-H	Optimal	10.109	35629	35631	7.4989e-05	1347	24	100	100	711	1523	711	2233	0.024002	37461
n-n=100-h=3-d=8-m=10.6	-M	Optimal	45.075	35629	35632	9.4395e-05	5565	73	100	100	711	7218	711	8639	0.10401	37461
n-n=100-h=3-d=8-m=10.6	-P	Optimal	16.417	35629	35632	9.9431e-05	5824	70	100	100	711	912	711	1622	0.012001	38887
n-n=100-h=3-d=8-m=10.6	-U	Optimal	12.765	35629	35632	9.8803e-05	2777	32	100	100	711	912	711	1522	0.008	38887
n-n=100-h=3-d=8-m=10.7	-H	Optimal	51.231	32273	32276	9.9966e-05	12565	183	100	100	715	1531	715	2245	0.040003	34741
n-n=100-h=3-d=8-m=10.7	-M	Optimal	651.54	32273	32276	9.9991e-05	111499	1798	100	100	715	7218	715	8647	0.11201	34741
n-n=100-h=3-d=8-m=10.7	-P	Optimal	333.76	32273	32276	9.9989e-05	208622	3384	100	100	715	916	715	1630	0.016001	36230
n-n=100-h=3-d=8-m=10.7	-U	Optimal	83.217	32273	32276	9.9774e-05	27151	256	100	100	715	916	715	1530	0.008	36230
n-n=100-h=3-d=8-m=10.8	-H	Optimal	6.8564	34076	34076	-2.1352e-16	1019	0	100	100	711	1523	711	2233	0.024002	35626
n-n=100-h=3-d=8-m=10.8	-M	Optimal	25.854	34076	34079	9.8887e-05	2212	34	100	100	711	7216	711	8637	0.11201	35623
n-n=100-h=3-d=8-m=10.8	-P	Optimal	7.0804	34076	34079	9.4712e-05	1161	7	100	100	711	912	711	1622	0.012	37390
n-n=100-h=3-d=8-m=10.8	-U	Optimal	6.1084	34076	34079	8.9662e-05	859	3	100	100	711	912	711	1522	0.008	37390
n-n=100-h=3-d=8-m=10.9	-H	Optimal	6.9964	52915	52915	0	1059	0	100	100	689	1479	689	2167	0.024002	55023
n-n=100-h=3-d=8-m=10.9	-M	Optimal	20.497	52915	52920	9.7193e-05	1852	22	100	100	689	7574	689	8951	0.096006	55019
n-n=100-h=3-d=8-m=10.9	-P	Optimal	7.6565	52915	52920	9.4062e-05	2608	24	100	100	689	890	689	1578	0.012001	57111
n-n=100-h=3-d=8-m=10.9	-U	Optimal	7.6285	52915	52920	9.8263e-05	2128	17	100	100	689	890	689	1478	0.008001	57111
n-n=150-h=3-d=8-m=10.0	-H	Optimal	6.7404	66073	66079	9.1628e-05	579	35	150	150	958	2067	958	3024	0.032002	69844
n-n=150-h=3-d=8-m=10.0	-M	Optimal	51.767	66073	66079	9.8717e-05	7035	145	150	150	958	9371	958	11286	0.15601	69844
n-n=150-h=3-d=8-m=10.0	-P	Optimal	15.397	66073	66079	9.9342e-05	5554	116	150	150	958	1259	958	2216	0.016001	73257
n-n=150-h=3-d=8-m=10.0	-U	Optimal	8.9806	66073	66079	9.8083e-05	2312	41	150	150	958	1259	958	2066	0.008	73257
n-n=150-h=3-d=8-m=10.1	-H	Optimal	34.218	78712	78720	9.9987e-05	4569	97	150	150	1064	2278	1064	3342	0.040002	82850
n-n=150-h=3-d=8-m=10.1	-M	Optimal	334.07	78712	78720	9.8586e-05	23370	271	150	150	1064	11316	1064	13444	0.24002	82849
n-n=150-h=3-d=8-m=10.1	-P	Optimal	154.23	78712	78720	9.9998e-05	39534	450	150	150	1064	1364	1064	2428	0.020001	86450
n-n=150-h=3-d=8-m=10.1	-U	Optimal	47.291	78712	78720	9.9312e-05	11433	229	150	150	1064	1364	1064	2278	0.012001	86450
n-n=150-h=3-d=8-m=10.2	-H	Optimal	35.022	65009	65015	9.9601e-05	6811	182	150	150	1097	2345	1097	3441	0.040003	68345
n-n=150-h=3-d=8-m=10.2	-M	Optimal	487.85	65009	65015	9.9787e-05	27321	363	150	150	1097	11674	1097	13867	0.22401	68344
n-n=150-h=3-d=8-m=10.2	-P	Optimal	547.6	65009	65015	9.9938e-05	224163	4185	150	150	1097	1398	1097	2494	0.020001	71623
n-n=150-h=3-d=8-m=10.2	-U	Optimal	105.11	65009	65015	9.9984e-05	24082	383	150	150	1097	1398	1097	2344	0.016001	71623
n-n=150-h=3-d=8-m=10.3	-H	Optimal	117.36	92340	92349	9.9722e-05	13889	158	150	150	1112	2375	1112	3486	0.048003	95535
n-n=150-h=3-d=8-m=10.3	-M	Optimal	972.97	92340	92349	9.9953e-05	55981	1465	150	150	1112	11983	1112	14206	0.24802	95528
n-n=150-h=3-d=8-m=10.3	-P	Optimal	791.07	92340	92349	9.9967e-05	196534	4697	150	150	1112	1413	1112	2524	0.024002	98103
n-n=150-h=3-d=8-m=10.3	-U	Optimal	318.63	92340	92349	9.9893e-05	49508	930	150	150	1112	1413	1112	2374	0.016001	98103
n-n=150-h=3-d=8-m=10.4	-H	Optimal	634.15	64882	64888	9.9993e-05	109677	2336	150	150	1071	2293	1071	3363	0.040003	68810
n-n=150-h=3-d=8-m=10.4	-M	Feasible	3574.2	64882	65325	0.00683	328500	247994	150	150	1071	10910	1071	13051	0.22801	68806
n-n=150-h=3-d=8-m=10.4	-P	Feasible	3575.9	64882	65044	0.0025031	927344	370615	150	150	1071	1372	1071	2442	0.024001	72337
n-n=150-h=3-d=8-m=10.4	-U	Optimal	1735.8	64882	64888	9.9958e-05	364393	6043	150	150	1071	1372	1071	2292	0.012	72337
n-n=150-h=3-d=8-m=10.5	-H	Optimal	100.03	65219	65226	9.9197e-05	18526	203	150	150	971	2093	971	3063	0.032002	68908
n-n=150-h=3-d=8-m=10.5	-M	Optimal	1563	65219	65226	9.9965e-05	209359	5043	150	150	971	9590	971	11531	0.16801	68905
n-n=150-h=3-d=8-m=10.5	-P	Optimal	330.29	65219	65226	9.9986e-05	145239	3090	150	150	971	1272	971	2242	0.020001	71699
n-n=150-h=3-d=8-m=10.5	-U	Optimal	147.46	65219	65226	9.9867e-05	49920	842	150	150	971	1272	971	2092	0.008	71699
n-n=150-h=3-d=8-m=10.6	-H	Optimal	24.794	71176	71183	9.9016e-05	3881	81	150	150	1034	2214	1034	3252	0.044003	75096
n-n=150-h=3-d=8-m=10.6	-M	Optimal	254.08	71176	71183	9.8492e-05	18836	221	150	150	1034	10632	1034	12704	0.20001	75096
n-n=150-h=3-d=8-m=10.6	-P	Optimal	64.668	71176	71182	9.7898e-05	17867	117	150	150	1034	1330	1034	2368	0.020002	77672
n-n=150-h=3-d=8-m=10.6	-U	Optimal	32.03	71176	71183	9.9374e-05	9121	101	150	150	1034	1330	1034	2218	0.012001	77672
n-n=150-h=3-d=8-m=10.7	-H	Optimal	222.14	79253	79261	9.9853e-05	33250	544	150	150	1168	2487	1168	3654	0.048003	83392
n-n=150-h=3-d=8-m=10.7	-M	Optimal	2395.4	79253	79261	9.9967e-05	140117	2312	150	150	1168	13033	1168	15368	0.27202	83392
n-n=150-h=3-d=8-m=10.7	-P	Optimal	1776.3	79253	79261	9.9998e-05	416619	4947	150	150	1168	1469	1168	2636	0.028002	87044
n-n=150-h=3-d=8-m=10.7	-U	Optimal	263.76	79253	79261	9.9838e-05	50880	621	150	150	1168	1469	1168	2486	0.016001	87044
n-n=150-h=3-d=8-m=10.8	-H	Optimal	101.14	69389	69396	9.9813e-05	17421	255	150	150	1080	2311	1080	3390	0.040002	72572
n-n=150-h=3-d=8-m=10.8	-M	Optimal	589.23	69389	69396	9.9828e-05	46485	866	150	150	1080	11233	1080	13392	0.21201	72572
n-n=150-h=3-d=8-m=10.8	-P	Optimal	504.07	69389	69396	9.9937e-05	163701	2753	150	150	1080	1381	1080	2460	0.024002	75805
n-n=150-h=3-d=8-m=10.8	-U	Optimal	368.67	69389	69396	9.9948e-05	89026	1569	150	150	1080	1381	1080	2310	0.012001	75805
n-n=150-h=3-d=8-m=10.9	-H	Optimal	241.56	63433	63439	9.9932e-05	40120	521	150	150	1045	2241	1045	3285	0.040002	67614
n-n=150-h=3-d=8-m=10.9	-M	Feasible	3574.6	63433	63485	0.00081563	434226	63940	150	150	1045	11102	1045	13191	0.18401	67613
n-n=150-h=3-d=8-m=10.9	-P	Optimal	572.37	63433	63439	9.9862e-05	180193	1819	150	150	1045	1346	1045	2390	0.020001	70569
n-n=150-h=3-d=8-m=10.9	-U	Optimal	387.28	63433	63439	9.9855e-05	95579	1300	150	150	1045	1346	1045	2240	0.016001	70569

filename	params	status	time	value	upper_bound	gap	nodes	nodes_left	bidders	items	edges	columns	binaries	rows	relax_time	relax_value
n-n=200-h=3-d=8-m=10.0	-H	Optimal	131.42	109253	109264	9.9469e-05	15183	158	200	200	1423	3047	1423	4469	0.056004	114557
n-n=200-h=3-d=8-m=10.0	-M	Optimal	1149.8	109253	109264	9.988e-05	65780	1683	200	200	1423	15370	1423	18215	0.35202	114557
n-n=200-h=3-d=8-m=10.0	-P	Optimal	2388.3	109253	109264	9.9989e-05	656927	16177	200	200	1423	1824	1423	3246	0.032002	119106
n-n=200-h=3-d=8-m=10.0	-U	Optimal	351.25	109253	109264	9.9993e-05	67156	1662	200	200	1423	1824	1423	3046	0.020001	119106
n-n=200-h=3-d=8-m=10.1	-H	Feasible	3569.7	107357	107767	0.003818	460259	313440	200	200	1388	2977	1388	4364	0.060004	114049
n-n=200-h=3-d=8-m=10.1	-M	Feasible	3578.5	107357	108383	0.0095557	299085	249296	200	200	1388	13707	1388	16482	0.28002	114046
n-n=200-h=3-d=8-m=10.1	-P	Feasible	3576.2	107357	108443	0.010119	716573	601947	200	200	1388	1789	1388	3176	0.028001	119449
n-n=200-h=3-d=8-m=10.1	-U	Feasible	3572.4	107357	107968	0.0056886	699941	508022	200	200	1388	1789	1388	2976	0.020001	119449
n-n=200-h=3-d=8-m=10.2	-H	Optimal	1773.2	103445	103455	9.9992e-05	209978	5948	200	200	1464	3129	1464	4592	0.068005	109513
n-n=200-h=3-d=8-m=10.2	-M	Feasible	3577.4	103445	104233	0.0076195	251832	196301	200	200	1464	15543	1464	18470	0.37202	109513
n-n=200-h=3-d=8-m=10.2	-P	Feasible	3569.9	103445	104679	0.011931	1329872	1113692	200	200	1464	1865	1464	3328	0.028002	114552
n-n=200-h=3-d=8-m=10.2	-U	Feasible	3575	103445	103965	0.0050282	414398	298526	200	200	1464	1865	1464	3128	0.020002	114552
n-n=200-h=3-d=8-m=10.3	-H	Optimal	323.77	114227	114239	9.9931e-05	50721	2151	200	200	1451	3103	1451	4553	0.064004	119314
n-n=200-h=3-d=8-m=10.3	-M	Feasible	3578.3	114227	114275	0.00041746	232415	41537	200	200	1451	15236	1451	18137	0.34802	119311
n-n=200-h=3-d=8-m=10.3	-P	Feasible	3576.6	114227	114473	0.0021518	970886	520743	200	200	1451	1852	1451	3302	0.032002	123838
n-n=200-h=3-d=8-m=10.3	-U	Optimal	1694.6	114227	114239	9.9996e-05	425134	15772	200	200	1451	1852	1451	3102	0.020001	123838
n-n=200-h=3-d=8-m=10.4	-H	Feasible	3569.2	114262	114688	0.0037251	751623	489123	200	200	1409	3019	1409	4427	0.068004	121136
n-n=200-h=3-d=8-m=10.4	-M	Feasible	3578.1	114262	115232	0.0084847	329291	262733	200	200	1409	14536	1409	17353	0.26002	121134
n-n=200-h=3-d=8-m=10.4	-P	Feasible	3576.4	114262	115219	0.0083699	708240	577139	200	200	1409	1810	1409	3218	0.032002	125923
n-n=200-h=3-d=8-m=10.4	-U	Feasible	3572.3	114262	114995	0.0064082	506024	386386	200	200	1409	1810	1409	3018	0.008001	125923
n-n=200-h=3-d=8-m=10.5	-H	Optimal	1310	167722	167739	9.9975e-05	193596	11764	200	200	1447	3095	1447	4541	0.060004	173874
n-n=200-h=3-d=8-m=10.5	-M	Feasible	3576.7	167722	168162	0.002626	360184	233466	200	200	1447	15660	1447	18553	0.38402	173874
n-n=200-h=3-d=8-m=10.5	-P	Feasible	3575.6	167722	168103	0.0022747	806901	534305	200	200	1447	1848	1447	3294	0.032002	179352
n-n=200-h=3-d=8-m=10.5	-U	Feasible	3571.4	167722	167828	0.00063332	759119	230123	200	200	1447	1848	1447	3094	0.016001	179352
n-n=200-h=3-d=8-m=10.6	-H	Optimal	121.51	132201	132214	9.975e-05	16080	396	200	200	1441	3082	1441	4523	0.060003	137771
n-n=200-h=3-d=8-m=10.6	-M	Feasible	3577.8	132201	132306	0.000794	223723	69602	200	200	1441	14531	1441	17413	0.29602	137771
n-n=200-h=3-d=8-m=10.6	-P	Optimal	1752.5	132201	132214	9.9997e-05	466758	16121	200	200	1441	1841	1441	3282	0.032002	142973
n-n=200-h=3-d=8-m=10.6	-U	Optimal	741.69	132201	132214	9.9998e-05	156203	5089	200	200	1441	1841	1441	3082	0.020002	142973
n-n=200-h=3-d=8-m=10.7	-H	Optimal	122.69	101656	101666	9.9804e-05	14880	161	200	200	1444	3088	1444	4532	0.060004	107106
n-n=200-h=3-d=8-m=10.7	-M	Optimal	1994.9	101656	101666	9.9992e-05	184881	4519	200	200	1444	15488	1444	18376	0.39203	107106
n-n=200-h=3-d=8-m=10.7	-P	Optimal	3401.4	101656	101666	9.9997e-05	1254331	24401	200	200	1444	1844	1444	3288	0.036002	111359
n-n=200-h=3-d=8-m=10.7	-U	Optimal	387.88	101656	101666	9.9992e-05	64938	1116	200	200	1444	1844	1444	3088	0.020002	111359
n-n=200-h=3-d=8-m=10.8	-H	Optimal	153.2	114562	114573	9.8774e-05	13584	114	200	200	1476	3153	1476	4628	0.064004	119764
n-n=200-h=3-d=8-m=10.8	-M	Feasible	3576.6	114562	114807	0.002139	285971	140555	200	200	1476	15521	1476	18472	0.32402	119764
n-n=200-h=3-d=8-m=10.8	-P	Optimal	1115.7	114562	114573	9.9981e-05	208822	4918	200	200	1476	1877	1476	3352	0.032002	124483
n-n=200-h=3-d=8-m=10.8	-U	Optimal	899.67	114562	114573	9.9994e-05	146721	3540	200	200	1476	1877	1476	3152	0.020001	124483
n-n=200-h=3-d=8-m=10.9	-H	Optimal	174.71	93771	93780	9.9773e-05	21876	554	200	200	1395	2991	1395	4385	0.064004	98763
n-n=200-h=3-d=8-m=10.9	-M	Optimal	1341.7	93771	93780	9.9968e-05	97016	3534	200	200	1395	14204	1395	16993	0.31202	98763
n-n=200-h=3-d=8-m=10.9	-P	Optimal	1256.5	93771	93780	9.9986e-05	329100	8004	200	200	1395	1796	1395	3190	0.032002	103714
n-n=200-h=3-d=8-m=10.9	-U	Optimal	691.87	93771	93780	9.9991e-05	131617	3428	200	200	1395	1796	1395	2990	0.020002	103714
n-n=250-h=3-d=8-m=10.0	-H	Optimal	148.6	137984	137998	9.9915e-05	13230	377	250	250	1787	3825	1787	5611	0.084006	144725
n-n=250-h=3-d=8-m=10.0	-M	Feasible	3575.6	137984	138427	0.0032105	216395	137016	250	250	1787	18142	1787	21715	0.40003	144744
n-n=250-h=3-d=8-m=10.0	-P	Feasible	3565.6	137984	139578	0.011547	1159814	974755	250	250	1787	2288	1787	4074	0.036002	150590
n-n=250-h=3-d=8-m=10.0	-U	Optimal	2012.6	137984	137998	9.9968e-05	261978	6808	250	250	1787	2288	1787	3824	0.032002	150590
n-n=250-h=3-d=8-m=10.1	-H	Optimal	2554.3	183620	183638	9.9985e-05	292210	15050	250	250	1864	3978	1864	5842	0.14401	192063
n-n=250-h=3-d=8-m=10.1	-M	Feasible	3574.4	183620	184831	0.0065946	356618	294610	250	250	1864	20194	1864	23922	0.48803	192055
n-n=250-h=3-d=8-m=10.1	-P	Feasible	3562.2	183620	185966	0.012776	1261479	1133354	250	250	1864	2364	1864	4228	0.044002	197858
n-n=250-h=3-d=8-m=10.1	-U	Feasible	3574	183620	184452	0.0045358	808707	596311	250	250	1864	2364	1864	3978	0.028001	197858
n-n=250-h=3-d=8-m=10.2	-H	Optimal	3309.2	146004	146019	9.999e-05	463233	17690	250	250	1804	3859	1804	5662	0.092006	153877
n-n=250-h=3-d=8-m=10.2	-M	Feasible	3575.5	146004	147004	0.0068484	270520	209392	250	250	1804	18295	1804	21902	0.42003	153865
n-n=250-h=3-d=8-m=10.2	-P	Feasible	3565.2	146004	147753	0.011977	1119190	941448	250	250	1804	2305	1804	4108	0.036003	161625
n-n=250-h=3-d=8-m=10.2	-U	Feasible	3575	146004	146638	0.0043416	736145	510390	250	250	1804	2305	1804	3858	0.024002	161625
n-n=250-h=3-d=8-m=10.3	-H	Optimal	1868	148826	148841	9.9991e-05	222273	11017	250	250	1900	4051	1900	5950	0.088006	156818
n-n=250-h=3-d=8-m=10.3	-M	Feasible	3574.1	148826	150000	0.0078884	313821	260090	250	250	1900	20293	1900	24092	0.49203	156804
n-n=250-h=3-d=8-m=10.3	-P	Feasible	3565.2	148826	150473	0.011065	1019903	876314	250	250	1900	2401	1900	4300	0.040003	163534
n-n=250-h=3-d=8-m=10.3	-U	Feasible	3576.6	148826	149301	0.0031894	394389	253926	250	250	1900	2401	1900	4050	0.020001	163534
n-n=250-h=3-d=8-m=10.4	-H	Feasible	3575.6	143281	144481	0.0083746	302828	255067	250	250	1821	3893	1821	5713	0.092006	153134
n-n=250-h=3-d=8-m=10.4	-M	Feasible	3577.2	143281	145823	0.017744	243415	224689	250	250	1821	18716	1821	22357	0.44803	153132
n-n=250-h=3-d=8-m=10.4	-P	Feasible	3562.1	143281	146327	0.021259	1174138	1102256	250	250	1821	2322	1821	4142	0.048003	159719
n-n=250-h=3-d=8-m=10.4	-U	Feasible	3567.2	143281	145294	0.01405	785671	701999	250	250	1821	2322	1821	3892	0.028001	159719
n-n=250-h=3-d=8-m=10.5	-H	Feasible	3574.5	150997	151286	0.0019146	315808	174609	250	250	1760	3771	1760	5530	0.072004	158235
n-n=250-h=3-d=8-m=10.5	-M	Feasible	3577.7	150997	152105	0.0073427	116732	89996	250	250	1760	18355	1760	21874	0.42403	158228
n-n=250-h=3-d=8-m=10.5	-P	Feasible	3566.3	150997	152614	0.010713	1025810	876503	250	250	1760	2261	1760	4020	0.036002	164501
n-n=250-h=3-d=8-m=10.5	-U	Feasible	3572.1	150997	151516	0.0034397	359258	239437	250	250	1760	2261	1760	3770	0.016001	164501
n-n=250-h=3-d=8-m=10.6	-H	Optimal	261.33	148579	148594	9.9912e-05	31285	1568	250	250	1862	3975	1862	5836	0.080005	155233
n-n=250-h=3-d=8-m=10.6	-M	Feasible	3572.8	148579	148991	0.0027691	294970	210217	250	250	1862	19491	1862	23214	0.45203	155230
n-n=250-h=3-d=8-m=10.6	-P	Feasible	3573.6	148579	148868	0.0019386	581946	321318	250	250	1862	2363	1862	4224	0.060004	162396
n-n=250-h=3-d=8-m=10.6	-U	Optimal	1519.7	148579	148594	9.9998e-05	290453	13693	250	250	1862	2363	1862	3974	0.024001	162396
n-n=250-h=3-d=8-m=10.7	-H	Optimal	1059.8	152337	152353	9.9999e-05	109328	4245	250	250	1794	3839	1794	5632	0.080005	160480
n-n=250-h=3-d=8-m=10.7	-M	Feasible	3575.8	152337	153213	0.0057476	278304	214834	250	250	1794	18335	1794	21922	0.43603	160475
n-n=250-h=3-d=8-m=10.7	-P	Feasible	3567.1	152337	153573	0.008111	1064495	885472	250	250	1794	2295	1794	4088	0.044003	167318
n-n=250-h=3-d=8-m=10.7	-U	Feasible	3575.9	152337	152524	0.0012226	833919	302608	250	250	1794	2295	1794	3838	0.020002	167318
n-n=250-h=3-d=8-m=10.8	-H	Optimal	1163.2	126545	126558	9.9973e-05	123810	3671	250	250	1818	3887	1818	5704	0.088006	133753
n-n=250-h=3-d=8-m=10.8	-M	Feasible	3575.6	126545	127726	0.009328	294928	246856	250	250	1818	19129	1818	22764	0.67604	133752
n-n=250-h=3-d=8-m=10.8	-P	Feasible	3564.5	126545	128203	0.013103	1090252	944466	250	250	1818	2319	1818	4136	0.036003	140648
n-n=250-h=3-d=8-m=10.8	-U	Feasible	3576.6	126545	127054	0.004024	434546	288580	250	250	1818	2319	1818	3886	0.028002	140648
n-n=250-h=3-d=8-m=10.9	-H	Feasible	3566.4	166928	167452	0.0031376	533342	373486	250	250	1804	3859	1804	5662	0.080005	175564
n-n=250-h=3-d=8-m=10.9	-M	Feasible	3576	166928	168198	0.0076102	260474	223372	250	250	1804	18503	1804	22110	0.39203	175564
n-n=250-h=3-d=8-m=10.9	-P	Feasible	3563.4	166928	168713	0.010692	1178316	1036918	250	250	1804	2305	1804	4108	0.044003	182211
n-n=250-h=3-d=8-m=10.9	-U	Feasible	3576.2	166928	167751	0.004928	465449	355203	250	250	1804	2305	1804	3858	0.024002	182211
filename	params	status	time	value	upper_bound	gap	nodes	nodes_left	bidders	items	edges	columns	binaries	rows	relax_time	relax_value