

B. Appendix: Full numerical results (DM-heuristic)

This appendix presents full numerical results achieved by the DM-heuristic on the ESTEIN instances.

Set	n	MST	SMT	ρ	t (sec.)
estein10-00	10	2.11147	2.02067	0.957001	0.00150471
estein10-01	10	1.61457	1.60687	0.99523	0.00140151
estein10-02	10	2.33009	2.22807	0.956218	0.00140549
estein10-03	10	1.81952	1.7986	0.988498	0.00170738
estein10-04	10	1.73717	1.69443	0.975397	0.00150725
estein10-05	10	2.42116	2.36345	0.976163	0.00148483
estein10-06	10	2.33731	2.23386	0.955739	0.0013195
estein10-07	10	2.21278	2.18164	0.985931	0.00174296
estein10-08	10	2.01884	1.98036	0.98094	0.00137154
estein10-09	10	2.10091	2.05933	0.980207	0.00144112
estein10-10	10	2.06038	1.94732	0.945126	0.00130458
estein10-11	10	1.76333	1.75312	0.994215	0.00162948
estein10-12	10	1.82654	1.71389	0.938325	0.00151511
estein10-13	10	2.06534	1.94965	0.943985	0.0024516
estein10-14	10	1.72456	1.67165	0.969315	0.00148225
estein20-00	20	3.21282	3.07207	0.956189	0.00203872
estein20-01	20	2.92182	2.85463	0.977004	0.00195597
estein20-02	20	2.54801	2.45898	0.965059	0.00206791
estein20-03	20	2.537	2.48537	0.97965	0.00224844
estein20-04	20	3.07311	2.96473	0.964731	0.00188277
estein20-05	20	3.22076	3.13157	0.972307	0.00213338
estein20-06	20	3.12491	3.08534	0.987338	0.00180757
estein20-07	20	3.4827	3.31771	0.952628	0.0017697
estein20-08	20	3.183	3.13363	0.984491	0.00192014
estein20-09	20	3.12344	3.02501	0.968488	0.00243365
estein20-10	20	2.38992	2.31805	0.969928	0.00183764
estein20-11	20	2.77501	2.65375	0.956302	0.00181296
estein20-12	20	3.12048	3.02285	0.968712	0.00223334
estein20-13	20	3.03434	2.93301	0.966606	0.00173866
estein20-14	20	2.83805	2.79148	0.983589	0.00197671
estein30-00	30	3.65878	3.58205	0.97903	0.00217004
estein30-01	30	3.67824	3.57797	0.972741	0.00215752
estein30-02	30	3.76858	3.69004	0.979161	0.00360525
estein30-03	30	3.85458	3.71141	0.962857	0.00323802
estein30-04	30	3.74951	3.62226	0.966062	0.00185287
estein30-05	30	3.61114	3.50346	0.970181	0.0033334
estein30-06	30	3.93167	3.81368	0.969989	0.00225876
estein30-07	30	3.76791	3.6936	0.980277	0.0097805
estein30-08	30	3.31183	3.21212	0.969891	0.00280467
estein30-09	30	3.84241	3.71899	0.967881	0.00224747
estein30-10	30	3.66658	3.59466	0.980386	0.00216376
estein30-11	30	3.53772	3.44379	0.973449	0.00334057
estein30-12	30	3.30439	3.22245	0.9752	0.00219673
estein30-13	30	4.0545	3.85567	0.950961	0.00353885
estein30-14	30	3.86941	3.79141	0.979843	0.00195059

Table 1: Full results achieved on the 2-dimensional ESTEIN instances ($n = 10, 20, 30$) using the DM-heuristic.

Set	n	MST	SMT	ρ	t (sec.)
estein40-00	40	4.03362	3.94289	0.977506	0.00232675
estein40-01	40	4.20052	4.07509	0.970141	0.00805268
estein40-02	40	4.50049	4.38455	0.974238	0.00533797
estein40-03	40	3.95143	3.85803	0.976363	0.00432957
estein40-04	40	4.72655	4.54325	0.96122	0.00253459
estein40-05	40	4.57058	4.45832	0.975439	0.00273788
estein40-06	40	4.15706	4.04451	0.972928	0.00257444
estein40-07	40	4.4273	4.28722	0.968361	0.00299789
estein40-08	40	4.83554	4.65761	0.963203	0.0042129
estein40-09	40	5.27566	5.08692	0.964225	0.00414766
estein40-10	40	4.2182	4.1493	0.983667	0.00343928
estein40-11	40	4.01668	3.92134	0.976262	0.00303592
estein40-12	40	4.71341	4.56209	0.967897	0.00376437
estein40-13	40	4.51137	4.39011	0.973121	0.00288773
estein40-14	40	4.65634	4.51716	0.970108	0.00277404
estein50-00	50	4.96763	4.84245	0.974802	0.00353224
estein50-01	50	5.14314	4.99538	0.971271	0.00372371
estein50-02	50	4.92898	4.74717	0.963114	0.00384491
estein50-03	50	4.59987	4.46907	0.971566	0.00304016
estein50-04	50	5.02338	4.87155	0.969776	0.00454324
estein50-05	50	5.09947	4.95355	0.971385	0.00482506
estein50-06	50	4.50109	4.37096	0.971091	0.00318589
estein50-07	50	4.82849	4.72578	0.978728	0.0034154
estein50-08	50	4.82491	4.69991	0.974093	0.00386834
estein50-09	50	4.7632	4.63414	0.972905	0.00352735
estein50-10	50	4.78786	4.67187	0.975774	0.00361192
estein50-11	50	4.81026	4.68958	0.974912	0.00283989
estein50-12	50	4.82544	4.66287	0.966311	0.00256582
estein50-13	50	4.84539	4.71324	0.972727	0.00246461
estein50-14	50	4.73466	4.62274	0.976362	0.00258353
estein60-00	60	4.93917	4.80739	0.973319	0.00386537
estein60-01	60	4.95833	4.84128	0.976393	0.00403406
estein60-02	60	5.13451	4.96505	0.966996	0.00399559
estein60-03	60	4.99571	4.84982	0.970797	0.0031
estein60-04	60	5.03032	4.89532	0.973161	0.00357105
estein60-05	60	5.40162	5.27768	0.977055	0.00343735
estein60-06	60	5.40313	5.22576	0.967174	0.0064441
estein60-07	60	5.25224	5.11732	0.974311	0.00381242
estein60-08	60	5.07575	4.95431	0.976074	0.00388116
estein60-09	60	5.19936	5.07625	0.976322	0.0047566
estein60-10	60	5.08631	4.94215	0.971658	0.00445994
estein60-11	60	5.49385	5.35658	0.975013	0.00409052
estein60-12	60	5.47048	5.32562	0.97352	0.00359081
estein60-13	60	5.21858	5.04187	0.96614	0.00373228
estein60-14	60	5.13621	4.98325	0.970218	0.00370396

Table 2: Full results achieved on the 2-dimensional ESTEIN instances ($n = 40, 50, 60$) using the DM-heuristic.

Set	n	MST	SMT	ρ	t (sec.)
estein70-00	70	5.58791	5.4322	0.972133	0.00550893
estein70-01	70	5.53935	5.40369	0.97551	0.00439974
estein70-02	70	5.55708	5.41264	0.974008	0.00353952
estein70-03	70	5.65368	5.50872	0.97436	0.0043254
estein70-04	70	5.65575	5.50783	0.973846	0.00536596
estein70-05	70	5.71604	5.54701	0.970429	0.00504274
estein70-06	70	5.68572	5.51176	0.969405	0.0034771
estein70-07	70	5.64316	5.52297	0.978701	0.00439948
estein70-08	70	5.60491	5.4943	0.980265	0.00458146
estein70-09	70	5.69944	5.52339	0.969112	0.00404764
estein70-10	70	5.90443	5.75755	0.975124	0.00385226
estein70-11	70	5.73675	5.55707	0.968678	0.00409668
estein70-12	70	5.61712	5.45923	0.97189	0.00457568
estein70-13	70	5.5079	5.3567	0.972548	0.00493694
estein70-14	70	5.721	5.54611	0.96943	0.00441253
estein80-00	80	6.44382	6.28089	0.974715	0.00411305
estein80-01	80	5.85718	5.72138	0.976814	0.00485667
estein80-02	80	6.05439	5.88876	0.972643	0.00456499
estein80-03	80	5.74802	5.63622	0.98055	0.00539795
estein80-04	80	5.88444	5.77344	0.981137	0.00521203
estein80-05	80	6.34446	6.19408	0.976297	0.00417153
estein80-06	80	6.30885	6.05195	0.959279	0.00471073
estein80-07	80	6.17257	5.98991	0.970407	0.00394772
estein80-08	80	6.35417	6.17849	0.972352	0.00688449
estein80-09	80	5.88623	5.74165	0.975438	0.00764296
estein80-10	80	5.93977	5.79936	0.976361	0.00412549
estein80-11	80	5.79133	5.68512	0.981659	0.0045332
estein80-12	80	6.16889	5.99019	0.971032	0.00390729
estein80-13	80	6.36334	6.13062	0.963427	0.00461004
estein80-14	80	6.3242	6.1798	0.977167	0.00596768
estein90-00	90	6.29063	6.06485	0.964107	0.00478499
estein90-01	90	6.43717	6.22652	0.967276	0.0204987
estein90-02	90	6.63911	6.46602	0.973929	0.00588637
estein90-03	90	6.43773	6.27531	0.97477	0.005374
estein90-04	90	6.65917	6.41871	0.96389	0.0074823
estein90-05	90	6.17564	6.06249	0.981677	0.00702935
estein90-06	90	6.48048	6.26268	0.966391	0.00596194
estein90-07	90	6.50668	6.31507	0.970552	0.00538311
estein90-08	90	6.12547	5.95758	0.972592	0.00403798
estein90-09	90	6.52315	6.33761	0.971557	0.00578782
estein90-10	90	6.50892	6.29203	0.966678	0.00660468
estein90-11	90	6.24838	6.09007	0.974663	0.00437173
estein90-12	90	6.48832	6.32566	0.974931	0.00587007
estein90-13	90	6.30815	6.12575	0.971085	0.00527901
estein90-14	90	6.43972	6.28004	0.975203	0.00481778

Table 3: Full results achieved on the 2-dimensional ESTEIN instances ($n = 70, 80, 90$) using the DM-heuristic.

Set	n	MST	SMT	ρ	t (sec.)
estein100-00	100	6.60852	6.42487	0.972209	0.00620577
estein100-01	100	6.83285	6.63816	0.971507	0.00643452
estein100-02	100	6.7625	6.5572	0.96964	0.00600651
estein100-03	100	6.79778	6.61822	0.973586	0.00573097
estein100-04	100	6.90325	6.69199	0.969397	0.0061953
estein100-05	100	6.69425	6.49748	0.970607	0.00506557
estein100-06	100	7.27726	7.04554	0.968158	0.00687205
estein100-07	100	6.63145	6.40918	0.966482	0.00483006
estein100-08	100	7.16529	6.94648	0.969463	0.00595445
estein100-09	100	6.95398	6.76336	0.972589	0.00608801
estein100-10	100	7.03095	6.85805	0.975409	0.0119736
estein100-11	100	6.85487	6.71144	0.979076	0.00586969
estein100-12	100	6.68322	6.51179	0.974349	0.013308
estein100-13	100	7.1371	6.92976	0.970948	0.0068033
estein100-14	100	6.38253	6.23262	0.976512	0.00584554
estein250-00	250	10.6052	10.3088	0.972057	0.011384
estein250-01	250	10.4208	10.1445	0.973487	0.0125474
estein250-02	250	10.3915	10.0906	0.971037	0.0123507
estein250-03	250	10.7388	10.4347	0.971678	0.0117741
estein250-04	250	10.6104	10.2808	0.968943	0.0116887
estein250-05	250	10.5379	10.2763	0.975172	0.0198723
estein250-06	250	10.4267	10.1746	0.975825	0.0106144
estein250-07	250	10.6885	10.3572	0.969009	0.010894
estein250-08	250	10.6404	10.3631	0.973944	0.0175068
estein250-09	250	10.6076	10.2723	0.968391	0.031385
estein250-10	250	10.2222	9.9174	0.970182	0.0144418
estein250-11	250	10.8584	10.5251	0.969311	0.0158488
estein250-12	250	10.4982	10.1965	0.97126	0.011673
estein250-13	250	10.5855	10.3054	0.97354	0.0117569
estein250-14	250	10.4839	10.2009	0.973002	0.0183977
estein500-00	500	14.8291	14.3919	0.970514	0.0251032
estein500-01	500	14.7147	14.2653	0.969459	0.0218101
estein500-02	500	14.8043	14.368	0.970523	0.026139
estein500-03	500	14.9447	14.4645	0.967869	0.0251816
estein500-04	500	14.4965	14.1249	0.974367	0.0264787
estein500-05	500	15.0407	14.587	0.969837	0.0237808
estein500-06	500	14.5517	14.1183	0.970218	0.023403
estein500-07	500	14.6164	14.1905	0.970863	0.0224309
estein500-08	500	14.6932	14.2602	0.970531	0.0247617
estein500-09	500	14.1706	13.7534	0.970558	0.0225693
estein500-10	500	14.654	14.2377	0.971593	0.0250499
estein500-11	500	14.8745	14.4648	0.972458	0.0222548
estein500-12	500	14.6337	14.2044	0.970662	0.0231648
estein500-13	500	15.147	14.7318	0.972594	0.0220131
estein500-14	500	14.5801	14.1833	0.972783	0.0244709

Table 4: Full results achieved on the 2-dimensional ESTEIN instances ($n = 100, 250, 500$) using the DM-heuristic.

Set	n	MST	SMT	ρ	t (sec.)
estein1000-00	1000	20.9596	20.3265	0.969793	0.050681
estein1000-01	1000	20.7829	20.1483	0.969464	0.0496167
estein1000-02	1000	20.6178	20.0324	0.971604	0.0423151
estein1000-03	1000	20.9238	20.3293	0.971585	0.0434803
estein1000-04	1000	20.7008	20.1365	0.972742	0.0447242
estein1000-05	1000	20.9762	20.3916	0.972133	0.0438887
estein1000-06	1000	20.9567	20.3545	0.971264	0.0442494
estein1000-07	1000	20.9334	20.3129	0.970355	0.04519
estein1000-08	1000	20.7907	20.1948	0.971336	0.0489298
estein1000-09	1000	20.8304	20.2223	0.970807	0.0493567
estein1000-10	1000	20.9711	20.415	0.973482	0.0709644
estein1000-11	1000	21.1125	20.4591	0.969049	0.0444329
estein1000-12	1000	20.6511	20.0622	0.97148	0.0496202
estein1000-13	1000	21.3105	20.7005	0.971374	0.0478055
estein1000-14	1000	20.85	20.2647	0.971928	0.0423035
estein10000-0	10000	65.0675	63.2016	0.971323	0.415787

Table 5: Full results achieved on the 2-dimensional ESTEIN instances ($n = 1000, 10000$) using the DM-heuristic.

Set	n	MST	SMT	ρ	t (sec.)
estein10-00	10	3.33254	3.21346	0.964269	0.00231557
estein10-01	10	3.30121	3.10614	0.940908	0.00169474
estein10-02	10	3.17651	3.00851	0.947111	0.00175852
estein10-03	10	3.03209	2.85374	0.941178	0.00178704
estein10-04	10	3.06878	2.95705	0.96359	0.00230467
estein10-05	10	3.41494	3.14027	0.91957	0.00174718
estein10-06	10	3.53768	3.27921	0.92694	0.00230932
estein10-07	10	3.10757	2.94078	0.946328	0.00209019
estein10-08	10	2.7329	2.62509	0.960551	0.00196379
estein10-09	10	3.1246	2.97064	0.950725	0.00160362
estein10-10	10	3.26161	3.1957	0.979792	0.00224606
estein10-11	10	3.07887	2.91954	0.948249	0.00196968
estein10-12	10	2.90027	2.82079	0.972596	0.00213348
estein10-13	10	3.21875	3.13832	0.975014	0.00248454
estein10-14	10	3.01279	2.96947	0.985619	0.00243335
estein20-00	20	4.97097	4.64244	0.933911	0.00296808
estein20-01	20	4.6131	4.49341	0.974054	0.00337278
estein20-02	20	4.94092	4.65336	0.9418	0.00284738
estein20-03	20	4.57347	4.40717	0.963637	0.00399605
estein20-04	20	4.93447	4.77452	0.967586	0.00313569
estein20-05	20	5.38111	5.24457	0.974626	0.00295705
estein20-06	20	4.81786	4.6458	0.964287	0.00302268
estein20-07	20	5.20534	4.89915	0.941179	0.0039667
estein20-08	20	5.06873	4.84983	0.956812	0.00384163
estein20-09	20	4.85265	4.69029	0.966543	0.00359272
estein20-10	20	4.77163	4.55506	0.954612	0.00319894
estein20-11	20	4.60359	4.33363	0.941359	0.00446695
estein20-12	20	5.13724	4.84463	0.943041	0.00557263
estein20-13	20	5.58437	5.22591	0.93581	0.00295163
estein20-14	20	4.91812	4.69402	0.954434	0.00365155
estein30-00	30	7.01432	6.66494	0.950191	0.00530445
estein30-01	30	6.65878	6.4951	0.975419	0.00446199
estein30-02	30	6.47612	6.15346	0.950176	0.006136
estein30-03	30	6.71635	6.4346	0.95805	0.00405239
estein30-04	30	6.95497	6.53684	0.93988	0.00379175
estein30-05	30	6.47014	6.35907	0.982833	0.00556787
estein30-06	30	7.25329	6.85568	0.945183	0.00372954
estein30-07	30	6.15538	5.94993	0.966623	0.0045046
estein30-08	30	6.89295	6.56657	0.95265	0.0041535
estein30-09	30	6.63351	6.37529	0.961072	0.00372112
estein30-10	30	7.02758	6.80236	0.967953	0.0038107
estein30-11	30	6.57286	6.34189	0.96486	0.00533169
estein30-12	30	6.85188	6.46326	0.943284	0.00382649
estein30-13	30	6.33981	6.07511	0.958249	0.00439202
estein30-14	30	7.0321	6.70007	0.952784	0.00474773

Table 6: Full results achieved on the 3-dimensional ESTEIN instances ($n = 10, 20, 30$) using the DM-heuristic.

Set	n	MST	SMT	ρ	t (sec.)
estein40-00	40	7.66669	7.37741	0.962268	0.00506021
estein40-01	40	7.76159	7.48703	0.964626	0.00492362
estein40-02	40	8.62943	8.24817	0.955818	0.0075382
estein40-03	40	7.44513	7.11218	0.95528	0.00502343
estein40-04	40	8.04469	7.7295	0.960821	0.00481919
estein40-05	40	8.65937	8.21838	0.949074	0.00529164
estein40-06	40	8.16906	7.79646	0.954389	0.00465637
estein40-07	40	8.47427	8.1179	0.957947	0.00582471
estein40-08	40	8.96284	8.42385	0.939864	0.00498383
estein40-09	40	8.98378	8.58169	0.955243	0.00427268
estein40-10	40	8.03186	7.7095	0.959865	0.00606952
estein40-11	40	7.6789	7.3721	0.960047	0.0055143
estein40-12	40	8.75273	8.27936	0.945918	0.00554763
estein40-13	40	8.1323	7.68032	0.944422	0.00773414
estein40-14	40	8.00802	7.53441	0.940858	0.00574161
estein50-00	50	9.46093	9.0365	0.955139	0.00585989
estein50-01	50	9.50813	9.08874	0.955891	0.00634075
estein50-02	50	9.60233	9.066	0.944146	0.00564463
estein50-03	50	9.06019	8.69446	0.959633	0.00700627
estein50-04	50	9.23986	8.86492	0.959422	0.0070799
estein50-05	50	9.48477	8.98387	0.947189	0.00708022
estein50-06	50	9.287	8.82325	0.950065	0.00664658
estein50-07	50	9.15102	8.74277	0.955387	0.00684153
estein50-08	50	8.6114	8.26943	0.960288	0.00605927
estein50-09	50	8.96103	8.47866	0.94617	0.00636433
estein50-10	50	9.72393	9.25088	0.951352	0.00737865
estein50-11	50	8.99159	8.69897	0.967457	0.00685385
estein50-12	50	9.20068	8.75787	0.951872	0.00768231
estein50-13	50	10.3316	9.90477	0.958683	0.00688887
estein50-14	50	9.87496	9.40119	0.952023	0.00634329
estein60-00	60	10.1596	9.7025	0.955007	0.0142549
estein60-01	60	10.5666	9.98463	0.944924	0.00825686
estein60-02	60	10.9501	10.2708	0.937966	0.00847041
estein60-03	60	10.186	9.81013	0.963103	0.00869006
estein60-04	60	11.161	10.7229	0.960748	0.00642893
estein60-05	60	10.6887	10.3223	0.965725	0.0104051
estein60-06	60	11.6261	11.0394	0.949539	0.00711194
estein60-07	60	11.0703	10.5441	0.952467	0.00778539
estein60-08	60	10.6514	10.1254	0.950617	0.00867968
estein60-09	60	10.6696	10.1463	0.950959	0.0079251
estein60-10	60	10.3296	9.80177	0.948898	0.00794947
estein60-11	60	11.5656	11.1258	0.961977	0.00781344
estein60-12	60	11.0637	10.665	0.963971	0.00792617
estein60-13	60	10.4158	10.0097	0.961012	0.0119974
estein60-14	60	11.3753	10.8412	0.953045	0.00677825

Table 7: Full results achieved on the 3-dimensional ESTEIN instances ($n = 40, 50, 60$) using the DM-heuristic.

Set	n	MST	SMT	ρ	t (sec.)
estein70-00	70	11.7109	11.0698	0.945261	0.0113963
estein70-01	70	12.0846	11.5294	0.954063	0.00880851
estein70-02	70	11.8165	11.3417	0.959824	0.00852062
estein70-03	70	11.8165	11.2673	0.953529	0.00930516
estein70-04	70	11.826	11.3238	0.957533	0.0110574
estein70-05	70	11.9274	11.3266	0.94963	0.00945676
estein70-06	70	11.8306	11.2176	0.948184	0.00775694
estein70-07	70	11.8438	11.222	0.947503	0.00871928
estein70-08	70	11.7712	11.1607	0.948136	0.00926344
estein70-09	70	12.1782	11.5429	0.947838	0.0102498
estein70-10	70	11.9779	11.3426	0.946958	0.00900545
estein70-11	70	11.9486	11.3701	0.951583	0.00814814
estein70-12	70	11.2702	10.8418	0.961988	0.00849073
estein70-13	70	12.1057	11.518	0.951447	0.00818635
estein70-14	70	12.0685	11.4885	0.951939	0.00910941
estein80-00	80	13.238	12.562	0.948938	0.00967528
estein80-01	80	12.8044	12.1288	0.947243	0.01022
estein80-02	80	12.6707	12.0816	0.953507	0.0100406
estein80-03	80	11.8787	11.2401	0.946238	0.0103405
estein80-04	80	13.3848	12.7102	0.949598	0.0094766
estein80-05	80	13.7129	13.013	0.948959	0.00925979
estein80-06	80	13.9391	13.2378	0.949687	0.00872312
estein80-07	80	12.8821	12.3697	0.960221	0.0105782
estein80-08	80	13.6495	12.8779	0.943472	0.0102843
estein80-09	80	13.2128	12.5116	0.946934	0.00911396
estein80-10	80	12.7368	12.0223	0.943903	0.0108139
estein80-11	80	12.2738	11.7939	0.960899	0.00975477
estein80-12	80	13.6879	12.9577	0.946653	0.010201
estein80-13	80	13.4411	12.8207	0.953843	0.00998239
estein80-14	80	13.2343	12.7314	0.961999	0.00939133
estein90-00	90	14.0648	13.4076	0.953271	0.0123412
estein90-01	90	13.9575	13.1991	0.945663	0.0114268
estein90-02	90	14.1526	13.4682	0.951643	0.0105495
estein90-03	90	13.1386	12.6634	0.963832	0.0135177
estein90-04	90	13.7569	13.0934	0.951766	0.0117666
estein90-05	90	13.8111	13.1283	0.950563	0.00964569
estein90-06	90	13.7461	13.1216	0.95457	0.0111243
estein90-07	90	14.3591	13.6366	0.949684	0.00998494
estein90-08	90	13.2578	12.6944	0.957505	0.0114511
estein90-09	90	14.1914	13.6027	0.958513	0.0113236
estein90-10	90	14.0389	13.3868	0.953555	0.0110741
estein90-11	90	14.0244	13.2634	0.945734	0.0154721
estein90-12	90	14.0708	13.4523	0.956048	0.0112083
estein90-13	90	13.4268	12.7457	0.949279	0.0103881
estein90-14	90	14.3308	13.6441	0.952081	0.0107487

Table 8: Full results achieved on the 3-dimensional ESTEIN instances ($n = 70, 80, 90$) using the DM-heuristic.

Set	n	MST	SMT	ρ	t (sec.)
estein100-00	100	15.1935	14.5528	0.957833	0.0123982
estein100-01	100	15.0617	14.3938	0.955658	0.0139323
estein100-02	100	15.4134	14.599	0.947164	0.0139924
estein100-03	100	15.8369	15.1885	0.959055	0.0121269
estein100-04	100	15.8219	15.0319	0.950071	0.0137389
estein100-05	100	14.4905	13.785	0.951312	0.0120913
estein100-06	100	15.5273	14.6301	0.942212	0.0133086
estein100-07	100	15.8046	15.1401	0.957954	0.0136183
estein100-08	100	15.4278	14.7947	0.958961	0.0140159
estein100-09	100	15.3972	14.7208	0.956066	0.0127014
estein100-10	100	15.475	14.7703	0.954461	0.0136425
estein100-11	100	15.2883	14.6879	0.960725	0.0121191
estein100-12	100	14.9266	14.2796	0.956653	0.0129006
estein100-13	100	14.8634	14.1804	0.954045	0.0137631
estein100-14	100	15.7385	14.9617	0.950646	0.0119414
estein250-00	250	26.9975	25.7201	0.952685	0.0264348
estein250-01	250	27.4092	26.1522	0.954141	0.0313354
estein250-02	250	26.6891	25.4261	0.95268	0.0295057
estein250-03	250	27.1691	25.9591	0.955462	0.0323697
estein250-04	250	26.9568	25.7959	0.956936	0.0316903
estein250-05	250	27.8833	26.6817	0.956907	0.0305512
estein250-06	250	27.5863	26.292	0.953081	0.029842
estein250-07	250	27.4988	26.2246	0.953663	0.0306048
estein250-08	250	28.1783	26.8719	0.953635	0.0354941
estein250-09	250	26.6414	25.5081	0.957459	0.0360099
estein250-10	250	26.0041	24.7128	0.950341	0.040274
estein250-11	250	26.6477	25.4306	0.954327	0.0309597
estein250-12	250	27.0666	25.8782	0.956094	0.0300038
estein250-13	250	27.3973	26.1551	0.954659	0.0301507
estein250-14	250	27.4486	26.0949	0.950684	0.0284596
estein500-00	500	42.8324	40.8142	0.952883	0.0601465
estein500-01	500	42.5191	40.5728	0.954223	0.0610091
estein500-02	500	42.3945	40.3342	0.951402	0.0651494
estein500-03	500	42.9536	40.9675	0.953762	0.0651384
estein500-04	500	42.3192	40.4194	0.955107	0.0641618
estein500-05	500	42.9438	40.9002	0.952411	0.0617512
estein500-06	500	41.9621	39.9103	0.951102	0.0671851
estein500-07	500	42.0414	40.079	0.953322	0.063933
estein500-08	500	42.7926	40.6617	0.950205	0.0600064
estein500-09	500	41.7776	39.8922	0.954872	0.0583638
estein500-10	500	41.3443	39.4704	0.954675	0.0673699
estein500-11	500	42.9622	41.0292	0.955008	0.0678684
estein500-12	500	42.1053	40.277	0.956578	0.0618522
estein500-13	500	43.2336	41.0164	0.948716	0.0585274
estein500-14	500	42.446	40.49	0.953918	0.060922

Table 9: Full results achieved on the 3-dimensional ESTEIN instances ($n = 100, 250, 500$) using the DM-heuristic.

Set	n	MST	SMT	ρ	t (sec.)
estein1000-00	1000	67.0264	63.986	0.954639	0.11811
estein1000-01	1000	66.6223	63.4783	0.952809	0.11624
estein1000-02	1000	67.2279	64.2024	0.954996	0.116528
estein1000-03	1000	66.8637	63.6504	0.951943	0.119486
estein1000-04	1000	66.8818	63.7294	0.952866	0.119337
estein1000-05	1000	66.7787	63.6206	0.952708	0.122315
estein1000-06	1000	66.9816	63.9304	0.954447	0.123702
estein1000-07	1000	67.0887	64.0338	0.954464	0.117418
estein1000-08	1000	66.8243	63.7459	0.953933	0.127652
estein1000-09	1000	66.7329	63.6203	0.953358	0.119901
estein1000-10	1000	68.2402	64.9425	0.951675	0.120067
estein1000-11	1000	66.0117	63.0414	0.955003	0.118165
estein1000-12	1000	66.2443	63.2869	0.955357	0.126014
estein1000-13	1000	67.8424	64.4798	0.950437	0.124379
estein1000-14	1000	67.0087	63.7461	0.95131	0.118269
estein10000-0	10000	305.303	291.249	0.953969	1.29353

Table 10: Full results achieved on the 3-dimensional ESTEIN instances ($n = 1000, 10000$) using the DM-heuristic.