Detailed Computational Results for Exact Optimal Designs

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The following shortcuts are used in the tables:

- B: Boscia.
- C: CoBnB.
- M: Mosek.
- R: Relaxed (i.e., only one continuous relaxation problem is solved by Mosek).
- P: PNOD.
- Sum: $\sum_{i=1}^{m} x_{i}$. This is used to check wether the returned solution is feasible (highlighted in red color). For B, C, M, and P, all the returned solutions are feasible and we ignore the assocated results.

Sum	R	5	7	7	∞	7	10	6	6	6	11	12	10	12	13	12	18	15	13	12	14	14	18	11	22	15
	R	1.934456	1.44263	1.599911	1.434382	1.568592	1.497796	1.636376	1.745134	1.725957	1.419951	1.645588	2.042939	1.820409	1.681496	1.845029	1.727438	1.999706	2.51106	2.768428	2.045004	2.567878	2.045698	36.62351	1.792986	2.161492
lues	Ь	1.434762	1.44263	1.599911	1.576827	1.568592	1.605237	1.605736	1.648783	1.684411	1.622783	1.645455	1.807147	1.780265	1.751043	1.764607	1.861931	1.92995	1.901243	1.87387	1.864863	1.908998	1.983385	1.918192	1.992516	1.872662
Objective Values	M	1.434762	1.44263	1.599911	1.576827	1.568592	1.605237	1.605736	1.648783	1.684411	1.622783	1.645455	1.807147	1.780265	1.751043	1.764607	1.861931	1.92995	1.901243	1.87387	1.864863	1.908998	1.983385	1.918192	1.992516	1.872662
Obje	C	1.434762	1.44263	1.599911	1.576827	1.568592	1.605237	1.605736	1.648783	1.684411	1.622783	1.645455	1.807147	1.780265	1.751043	1.764607	1.861931	1.92995	1.901243	1.87387	1.864863	866806.1	1.983385	1.918192	1.992516	1.872662
	В	$2.05E - 01 \boxed{1.4347621.4347621.4347621.4347621.934456}$	1.63E-01 1.44263 1.44263 1.44263 1.44263 1.44263	$1.50 \mathrm{E} \text{-} 01 1.599911 1.599911 1.599911 1.599911 1.599911$	$1.50 \times -01 1.598618 \cdot 1.576827 \cdot 1.576827 \cdot 1.576827 \cdot 1.434382$	1.57E-01 $ 1.5685921.5685921.5685921.5685921.568592$	$8.28E-02\ 1.88E-01 1.6052371.6052371.6052371.6052371.497796$	$1.93{\text{E-}01} \big 1.66301 \;\; 1.605736 \; 1.605736 \; 1.605736 \; 1.636376$	1.648783	$1.82 \pm -01 1.702935 \ 1.684411 \ 1.684411 \ 1.684411 \ 1.725957$	1.82E-01 1.6227831.6227831.6227831.6227831.419951	1.657053	1.842224	1.780265	1.753716	1.764607	1.861931	1.932406	1.939204	1.912867	1.873536	1.947026	2.037346	1.953046	2.017118	1.927206
	R	2.05E-01	1.63E-01	1.50E-01	1.50E-01	1.57E-01	1.88E-01	1.93E-01	2.28E-01	1.82E-01	1.82E-01	2.59E-01	3.00E-01	2.55E-01	2.63E-01	2.55E-01	4.02E-01	3.41E-01	3.40E-01	3.90E-01	3.40E-01	4.50E-01	4.86E-01	4.34E-01	4.33E-01	4.84E-01
	Ь	6.71E-02	1.37E-02	1.32E-01	5.90E-02	2.30E-02	8.28E-02	8.48E-02	$7.71E-02\ \ 2.28E-01 1.648783\ 1.648783\ 1.648783\ 1.648783\ 1.745134$	1.85E-01	1.44E-01	8.52E-01	6.00E-01	1.93E + 00	1.05E + 00	9.99E-01	2.79E + 01	1.57E + 01	7.69E + 01	1.45E + 02	1.39E + 01	1.08E + 03	1.77E + 03	2.50E + 03	2.62E + 03	1.24E + 02
CPU Time [s	M	4.10E-01	3.01E-01	4.63E-01	4.14E-01	2.56E-01	6.29E-01	5.18E-01	7.26E-01	7.95E-01	6.94E-01	.79E+00	.80E+00	.38E+00	0.07E+00	.47E+00	:.06E+01	.41E+01	.78E+01	.65E+01	.76E+01	.42E + 02	.91E+02	.20E+03	.49E+03	.78E+01
CP	C	3.37E-01		1.65E+00 ²			1	33E+00 (60E + 011	83E + 011	46E+012	31E+012	01E+012	07E+032	21E + 021	01E+033	14E + 037	62E + 033	92E + 047	53E + 044	01E+051	09E+051	93E+03
	В	3.05E+003	9.20E-02 3.27E-01	1.43E+001	1.10E + 001.05E + 00	1.69E-01 2.12E-01	2.35E + 002.23E + 00	2.65E + 002.33E + 006.18E - 01	.72E+001.85E+00	2.18E+006.10E+00	.28E+004.56E+00	$8.47E + 002.60E + 011.79E + 008.52E - 012.59E - 01\boxed{1.6570531.6454551.6454551.6454551.6454551.645588}$	$1.50E + 011.83E + 011.80E + 006.00E - 013.00E - 013.00E - 01 \\ 1.8422241.8071471.8071471.8071472.042939 \\ 1.8422241.8071471.8071471.8071472.042939 \\ 1.8422241.8071471.8071471.8071472.042939 \\ 1.8422241.8071471.8071471.8071472.042939 \\ 1.8422241.8071471.8071471.8071472.042939 \\ 1.8422241.8071471.8071471.8071472.042939 \\ 1.8422241.8071471.8071471.8071472.042939 \\ 1.8422241.8071471.8071471.8071471.80714771.80714771.80714771.80714771.8071471.8071471.80714771.80714711.8071471.8071471.8071471.8071471.8071471.8071471.80714711.8071471.80714711.807147171.8071471.8071471.80714711.80714711.80714711.80714711.8071471.807147111.807147111.807147111.8071471111111111111111111111111111111111$	$6.61E + 006.46E + 012.38E + 001.93E + 002.55E - 01 \\ 1.7802651.7802651.7802651.7802651.820409 \\ 1.7802651.7802651.802651.802691.802691.802651.802651.802651.802691.002691.802691.802691.802691.802691.802691.802691.802691.802691.002691.80269100000000000000000000000000000000000$	$9.00E + 003.31E + 012.07E + 001.05E + 002.63E + 01 \left 1.7537161.7510431.7510431.7510431.681496 \right + 0.00E + $	$.48E + 013.01E + 012.47E + 009.99E - 012.55E - 01 \Big 1.7646071.7646071.7646071.7646071.7646071.845029 \Big 1.845029 \Big$	4.81E + 011.07E + 032.06E + 012.79E + 014.02E + 011.8619311.8619311.8619311.8619311.727438	$ \begin{array}{llllllllllllllllllllllllllllllllllll$	$3.86E + 033.01E + 033.78E + 017.69E + 013.40E - 01 \\ \boxed{1.9392041.9012431.9012431.901243}$	$ \left 2.33E + 036.14E + 037.65E + 011.45E + 023.90E + 01 \right 1.9128671.873871.873871.873872.768428 $	$7 \ \left 4.66E + 021.62E + 033.76E + 014.39E + 013.40E + 01 \right 1.8735361.8648631.8648631.8648632.045004$	$27 \left[5.62E + 034.92E + 047.42E + 021.08E + 034.50E + 011.9470261.9089981.9089981.9089982.567878818478184848198981.90899981.90899981.90899981.90899981.90899981.90899981.90899981.9089999999999$	73 5.01E + 0.37.53E + 0.44.91E + 0.21.77E + 0.34.86E + 0.01 2.0373461.9833851.9833851.9833852.04569888888888888888888888888888888888888	$79 7.20 \pm +0.31.01 \pm +0.51.20 \pm +0.32.50 \pm +0.34.34 \pm -0.01 1.9530461.9181921.9181921.91819236.62351139 1.91819236.6235111.91819236.6235111.91819236.6235111.91819236.623511.91819236.623511.91819236.623511.91819236.623511.91819236.623511.91819236.623511.91819236.623511.91819236.623511.91819236.623511.91819236.623511.91819236.623511.91819236.623511.91819236.623511.91819236.623511.91819236.623511.91819236.9181928.91819191919191919191919191919191919191$	$4024912597415675051260691 \middle 7.20E + 031.09E + 051.49E + 032.62E + 034.33E + 01 \middle 2.0171181.9925161.9925161.9925161.792986 \middle 3.012491.001181.$	$43 \left 4.76E + 03 4.93E + 03 9.78E + 01 1.24E + 02 4.84E + 01 \right 1.927206 1.872662 1.872662 1.872662 2.161492 \right $
	Ь		25	245	195	31	247 2	281 2	223	537	545	2239 8	1321	4965 6	_	2053 1	46069 4	23011 4	104773 3	205277 2	58557 4		12821	1313579 7	260691 7	103843 4
Nodes	M	48	24	182	210	22	199	211	375	397	420	1058	946	1810	1372	1741	10897	7519	20830	43246	20466	278632	186031	457997	567505	36509
Nc	C	61	25	221	153	31	267	273	235	513	621	2207	1433	2009	2981	2109	46529	22897	113965	205181	58137	20077 940673 278632 9428	19747 1294837 186031 1	120 41301 1317025 457997 13135	1259741	$22767\ 104443$
	В	81	21	325	227	33	303	199	255	259	195	615	717	469	695	1193	1401	1195	100 55733	28649	10631	20077	19747	41301	40249	22767
	n			20				-	09					80					100					120		

Table 1: A-design with independent data.

C M P P B C M P P B C M P P B C M P P P P P P P P P P P P P P P P P P			Nodes	les				CPU Time [s				Obje	Objective Values	nes		Sum
2811 93 1081 67 2193 61 1321 81 2927 73 5425 531 14431 1153 2609 97 12501 697 7807 1185 13871 3125 1643 235 21779 2099 7109 33173 108199 53481 25961 11015 28291 63833 80909 37729 76641 89805 61661 297535 100013 501067 41 124181 19981 90543		В	C	M	Ь	В	C	M	Ь	R	В	C	M	Ь	Я	R
1081 67 2193 61 1321 81 2927 73 5425 531 14431 1153 2609 97 12501 697 7807 1185 13871 3125 1643 235 21779 2099 7109 33173 10819 53481 28291 63833 80909 37729 76641 89805 76641 89805 61661 297535 100013 501067 41 124181 19981 90543	1	2811	93	156	22	8.83E+0	0.231E+00			1.50E-01	-2.36392 -	2.36392 -	2.36392 -	2.36392 - 5	34669	2
2193 61 1321 81 2927 73 5425 531 14431 1153 2609 97 16851 897 12501 697 7807 1185 13871 3125 1643 235 21779 2099 7109 33173 108199 53481 28291 63833 80909 37729 76641 89805 61661 297535 100013 501067 41 124181 19981 90543		1081	29	61	71	2.93E+0) 3.66E-01	3.62E-01		1.49E-01	-2.37421 -	2.37421 -	2.37421 -	2.37421-5	2.16978	9
1321 81 2927 73 5425 531 14431 1153 2609 97 16851 897 12501 697 7807 1185 13871 3125 1643 235 21779 2099 7109 33173 108199 53481 28291 11015 28291 63833 80909 37729 76641 89805 61661 297535 100013 501067 41 124181 19981 90543	$\overline{}$	2193	61	29	55	5.85E+0() 4.61E-01	2.94E-01		1.51E-01	-2.41029-	2.41029 -	2.41029 -	2.41029 - 5	2.40013	7
2927 73 5425 531 14431 1153 2609 97 16851 897 12501 697 7807 1185 13871 3125 16875 1193 1643 235 21779 2099 7109 33173 10819 53481 25961 11015 28291 63833 80909 37729 76641 89805 76641 89805 76641 89805 76641 89805 76641 89805 76641 89805 76641 89805 76641 89805 76641 89805 76641 89805 76641 89805 76641 89805 76641 89805 76641 89805 76641 89805 776641 89805 <th></th> <td>1321</td> <td>81</td> <td>126</td> <td>88</td> <td> 3.86E+0(</td> <td>) 6.38E-01</td> <td>4.48E-01</td> <td></td> <td>1.48E-01</td> <td>-2.51503-</td> <td>2.51503 -</td> <td>2.51503 -</td> <td>2.48533 - 5</td> <td>2.66614</td> <td>∞</td>		1321	81	126	88	3.86E+0() 6.38E-01	4.48E-01		1.48E-01	-2.51503-	2.51503 -	2.51503 -	2.48533 - 5	2.66614	∞
5425 531 14431 1153 2609 97 16851 897 12501 697 7807 1185 13871 3125 16875 1193 1643 235 21779 2099 7109 33173 108199 53481 25961 11015 28291 63833 80909 37729 76641 89805 76641 89805 61661 297535 100013 501067 41 124181 19981 90543		2927	73	79	22	6.52E+0) 4.61E-01		6.04E-02	1.92E-01	-2.73926-	2.77613-	2.77613 -	2.77613 - 5	2.61934	9
14431 1153 2609 97 16851 897 12501 697 7807 1185 13871 3125 16875 1193 1643 235 21779 2099 7109 33173 10819 53481 25961 11015 28291 63833 80909 37729 76641 89805 76641 89805 76641 89805 76641 89805 76641 89805 76641 89805 76641 89805 76641 89805 76641 89805 76641 89805 76641 89805 76641 89805 76641 89805 76641 89805 76641 89805 76641 89805 76641 89805 76641 898		5425	531	261	61	2.29E+0	13.63E+00	6.12E-01		1.82E-01	-2.41066-	2.41066	-2.4507		-1.7977	_
2609 97 16851 897 12501 697 7807 1185 13871 3125 16875 1193 1643 235 21779 2099 7109 33173 108199 53481 28291 61861 28291 63833 80909 37729 76641 89805 61661 297535 100013 501067 41 124181 19981 90543		14431	1153	517	1135	[6.56E+0]	18.81E + 00	1.11E+00	4.82E-01	1.83E-01	-2.55836-	2.55836 -	2.55836 -	2.55836 - 5	2.29289	7
16851 897 12501 697 7807 1185 13871 3125 16875 1193 1643 235 21779 2099 7109 33173 108199 53481 25961 11015 28291 63833 80909 37729 76641 89805 61661 297535 100013 501067 41 124181 19981 90543	0	2609	26	65	101	1.01E+0]	11.15E+00	5.07E-01		1.82E-01	-2.60824-	2.66836 -	2.66836 -	2.66836-2	2.51049	∞
12501 697 7807 1185 13871 3125 16875 1193 1643 235 21779 2099 7109 33173 108199 53481 25561 11015 28291 63833 80909 37729 76641 89805 61661 297535 100013 501067 41 124181 19981 90543		16851	897	506	843	8.05E+0]	16.92E + 00	9.13E-01		1.82E-01	-2.64358-	2.64358 -	2.64358 -	2.64358 -	2.0949	7
7807 1185 13871 3125 16875 1193 1643 235 21779 2099 7109 33173 108199 53481 25961 11015 25961 11015 28291 63833 80909 37729 76641 89805 61661 297535 100013 501067 41 124181		12501	269	407	292	4.94E+0]	14.37E + 00	1.07E+00		2.27E-01	-2.65236-	2.65236 -	2.65236 -	2.65236-2	2.32183	7
13871 3125 16875 1193 1643 235 21779 2099 7109 33173 108199 53481 25961 11015 28291 63833 80909 37729 76641 89805 76641 89805 61661 297535 6100013 501067 41 124181 19981 90543		7807		564	1337	[5.04E+0]	11.05E+01	1.46E+00		2.59E-01	-2.69676-	2.77985 -	2.77985 -	2.77985 - 2	2.70762	12
16875 1193 1643 235 21779 2099 7109 33173 108199 53481 25961 11015 28291 63833 80909 37729 76641 89805 76642 89805 61661 297535 100013 501067 41 124181 19981 90543		13871		1889	3161	[8.02E+0]	13.43E+01	2.61E+00	1.39E+00	2.56E-01	-2.36783-	2.36783 -	2.36783 -	2.36783-2	2.43442	13
1643 235 21779 2099 7109 33173 108199 53481 25961 11015 28291 63833 80909 37729 76641 89805 76641 89805 100013 501067 41 124181 19981 90543	0	16875		685	1175	1.32E+02	21.71E+01	1.61E+00	6.63E-01	2.59E-01	-2.37587-	2.46305 -	2.46305 -	2.46305 -	2.3291	11
21779 2099 7109 33173 108199 53481 25961 11015 28291 63833 80909 37729 76641 89805 61661 297535 100013 501067 41 124181 19981 90543		1643	235	165	235	[1.25E+0]	13.16E + 00	8.33E-01		3.00E-01	-2.57955-	2.88952 -	2.88952 -	2.88952-2	2.88952	12
7109 33173 108199 53481 25961 11015 28291 63833 80909 37729 76641 89805 61661 297535 100013 501067 41 124181 19981 90543		21779		1580	2289	1.67E+02	22.53E + 01	2.33E+00	9.78E-01	2.65E-01	-2.59732-	2.63299 -	2.63299 -	2.63299 - 5	2.55385	12
108199 53481 25961 11015 28291 63833 80909 37729 76641 89805 61661 297535 100013 501067 41 124181 19981 90543		7109	33173	6440	33005	1.09E+02	25.96E + 02	1.33E+01	1.86E+01	3.51E-01	-2.69328-	2.82602 -	2.82602 -	2.82602-2	2.15026	13
25961 11015 28291 63833 80909 37729 76641 89805 61661 297535 100013 501067 41 124181 19981 90543		108199	53481	13284	51969	2.20E+0	31.21E+03	2.64E+01	3.30E+01;	3.88E-01	-2.601 -	2.61868 -	2.61868 -	2.61868 - 5	2.43943	16
28291 63833 16233 64085 3.53E+02 1.30E+03 3.09E+01 3.73E+01 3.43E-01 -2.91438 -2.93653 -2.9391	9	25961	11015	3731	8245	2.94E+0.	21.92E + 02	8.04E+00	4.60E+00;	3.45E-01	-2.7306 -	2.76679 -	2.76679 -	2.76679-2	2.72698	15
80909 37729 10488 37633 1.32E+03 7.42E+02 2.03E+01 2.23E+01 3.42E-01 -2.68003 -2.71881 -2.71881 -2.71881 -2.71881 -2.93 76641 89805 15592 86529 2.24E+03 2.61E+03 4.50E+01 5.93E+01 4.94E-01 -2.93726 -2.95759 -2.95759 -2.95759 -2.666 61661 297535 89839 263489 2.14E+03 1.18E+04 2.49E+02 2.59E+02 4.46E-01 -2.74685 -2.80627 -2.80627 -2.80627 -2.35 6100013 501067 39708 525355 6.51E+03 1.91E+041.10E+02 4.68E+02 4.76E-01 -2.75848 -2.89198 -2.89198 -2.89198 -2.65 41 124181 44892 133445 1.69E+01 5.30E+03 1.27E+02 1.45E+02 4.35E-01 -2.7486 -2.9391 -2.9391 -2.9391 -2.91 19981 90543 25299 89753 1.68E+03 3.72E+03 7.18E+01 9.00E+01 4.34E-01 -2.7466 -2.9391 -2.9391 -2.9391 -2.91		28291	63833	16233	64085	3.53E+0.	21.30E + 03	3.09E+01	3.73E+01	3.43E-01	-2.91438-	2.93653 -	2.93653 -	2.93653 - 5	9.64279	13
76641 89805 15592 86529 2.24E+03 2.61E+03 4.50E+01 5.93E+01 4.94E-01 2.93726-2.95759-2.95759-2.95759-2.608 61661 297535 89839 263489 2.14E+03 1.18E+04 2.49E+02 2.59E+02 4.46E-01 2.74685-2.80627-2.80627-2.80627-2.35 100013 501067 39708 525355 6.51E+03 1.91E+04 1.10E+02 4.68E+02 4.76E-01 2.75848-2.89198-2.89198 -2.65 41 124181 44892 133445 1.69E-01 5.30E+03 1.27E+02 1.45E+02 4.35E-01 2.48923-3.00432-3.00432-3.00432-2.51 19981 90543 25299 89753 1.68E+03 3.72E+03 7.18E+01 9.00E+01 4.34E-01 2.7466 -2.9391 -2.9391 -2.9391 -2.91		80608	37729	10488	37633	1.32E+0	37.42E + 02	2.03E+01	2.23E+01	3.42E-01	-2.68003 -	2.71881 -	2.71881 -	2.71881-2	2.93001	18
61661 297535 89839 263489 2.14E+03 1.18E+04 2.49E+02 2.59E+02 4.46E-01 -2.74685 -2.80627 -2.80627 -2.80627 -2.855 100013 501067 39708 525355 6.51E+03 1.91E+04 1.10E+02 4.68E+02 4.76E-01 -2.75848 -2.89198 -2.89198 -2.89198 -2.65 41 124181 44892 133445 1.69E-01 5.30E+03 1.27E+02 1.45E+02 4.35E-01 -2.48923 -3.00432 -3.00432 -3.00432 -2.51 19981 90543 25299 89753 1.68E+03 3.72E+03 7.18E+01 9.00E+01 4.34E-01 -2.7466 -2.9391 -2.9391 -2.9391 -2.9391 -2.91		76641		15592	86529	2.24E+0	32.61E + 03	4.50E+01	5.93E+01	4.94E-01	-2.93726 -	2.95759 -	2.95759 -	2.95759 - 2	898097	15
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		61661	297535	89839	263489	2.14E+0	31.18E + 04	2.49E + 02	2.59E+02	4.46E-01	-2.74685 -	2.80627 -	2.80627 -	2.80627-2	2.35115	16
$ \begin{vmatrix} 41 & 124181\ 44892\ 133445 \end{vmatrix} 1.69E + 01\ 5.30E + 03\ 1.27E + 02\ 1.45E + 02\ 4.35E + 01\ -2.48923 - 3.00432 - 3.00432 - 3.00432 - 2.513 \\ 19981 & 90543\ 25299 & 89753 \end{vmatrix} 1.68E + 03\ 3.72E + 03\ 7.18E + 01\ 9.00E + 01\ 4.34E + 01\ -2.7466 & -2.9391 & -2.9391 & -2.9391 - 2.919 \\ 1.68E + 03\ 3.72E + 03\ 7.18E + 01\ 9.00E + 01\ 4.34E + 01\ -2.7466 & -2.9391 & -2.9391 & -2.9391 & -2.919 \\ 1.68E + 03\ 3.72E + 03\ 7.18E + 01\ 9.00E + 01\ 4.34E + 01\ -2.7466 & -2.9391 & -2.9391 & -2.9391 \\ 1.68E + 03\ 3.72E + 03\ 7.18E + 01\ 9.00E + 01\ 4.34E + 01\ -2.7466 & -2.9391 & -2.9391 & -2.9391 \\ 1.68E + 03\ 3.72E + 03\ 7.18E + 01\ 9.00E + 01\ 4.34E + 01\ -2.7466 & -2.9391 & -2.9391 \\ 1.68E + 03\ 3.72E + 03\ 7.18E + 01\ 9.00E + 01\ 4.34E + 01\ -2.7466 & -2.9391 & -2.9391 \\ 1.68E + 03\ 3.72E + 03\ 7.18E + 01\ 9.00E + 01\ 4.34E + 01\ -2.7466 & -2.9391 & -2.9391 \\ 1.68E + 03\ 3.72E + 03\ 7.18E +$	\circ	100013	501067	39708	525355	6.51E+0	31.91E + 04	1.10E + 02	4.68E+02	4.76E-01	-2.75848-	2.89198 -	2.89198 -	2.89198 -	2.6358	16
$ 19981 \ 90543 \ 25299 \ 89753 \ 1.68E + 03 \ 3.72E + 03 \ 7.18E + 01 \ 9.00E + 01 \ 4.34E - 01 \ -2.7466 \ -2.9391 \ -2.9391 \ -2.917 \ -2.917 \ -2.9391 \ -2.9391 \ -2.917 \ -2.917 \ -2.9391 \ -2.917 \ -2.917 \ -2.9391 \ -2.9391 \ -2.917 \ -2.917 \ -2.9391 \ -2.917 \ -2.917 \ -2.9391 \ -2.917 \ -$		41	124181	44892	133445	1.69E-01	5.30E + 03	1.27E + 02	1.45E+02	4.35E-01	-2.48923 -	3.00432 -	3.00432 -	3.00432 - 5	2.51322	14
		19981	90543	25299	89753	1.68E+0	33.72E+03	7.18E+01	9.00E+01	4.34E-01	-2.7466	-2.9391	-2.9391	-2.9391 -2	91939	18

Table 2: A-design with correlated data.

Feasibility	R	∞	2	∞	∞	9	11	10	10	6	6	11	10	13	11	12	18	14	14	14	11	18	17	15	17	16
	R	-0.05315	-0.00867	-0.04798	-0.04993	-0.02154	-0.07051	-0.06269	-0.05541	-0.04104	-0.04945	-0.06293	-0.03628	-0.06997	-0.05662	-0.06415	-0.09734	-0.06284	-0.05362	-0.06087	-0.03475	-0.08548	-0.07456	-0.05816	-0.07142	-0.07462
lues	Ь	-0.04164	-0.04024	-0.03469	-0.0346	-0.03698	-0.04989	-0.05318	-0.04463	-0.04509	-0.04945	-0.07287	-0.05737	-0.06433	-0.06791	-0.06415	-0.07692	-0.07074	-0.07136	-0.07397	-0.07416	-0.08648	-0.08211	-0.08688	-0.07905	-0.09016
Objective Values	M	-0.04164	-0.04024	-0.03469	-0.0346	-0.03698	-0.04989	-0.05318	-0.04463	-0.04509	-0.04945	-0.07287	-0.05737	-0.06433	-0.06791	-0.06415	-0.07692	-0.07074	-0.07136	-0.07397	-0.07416	-0.08648	-0.08211	-0.08688	-0.07905	-0.09016
Obje	Ö	-0.04164	-0.04024	-0.03469	-0.0346	-0.03698	-0.04989	-0.05318	-0.04463	-0.04509	-0.04945	-0.07287	-0.05737	-0.06433	-0.06791	-0.06415	-0.07692	-0.07074	-0.07136	-0.07397	-0.07416	-0.08648	-0.08211	-0.08688	-0.07905	-0.09016
	В	-0.04164	-0.04024	-0.03469	-0.03425	-0.03698	-0.04989	-0.05109	-0.04463	-0.04351	-0.04945	-0.071	-0.05646	-0.0634	-0.06737	-0.06415	-0.07649	-0.07013	-0.07136	-0.07397	-0.07416	-0.08515	-0.0804	-0.08549	-0.07739	-0.08943
	R	$8.11E-01 \ -0.04164 - 0.04164 - 0.04164 - 0.04164 - 0.0531$	$8.01 \mathrm{E} ext{-}01$ $\left ext{-}0.04024 ext{-}0.04024 ext{-}0.04024 ext{-}0.00867 ight $	$8.08E-01 \mid -0.03469 - 0.03469 - 0.03469 - 0.03469 - 0.04798$	$7.61E-01 \left -0.03425 - 0.0346 - 0.0346 - 0.0346 - 0.04993 \right $	$8.24E-01 \left -0.03698-0.03698-0.03698 -0.03698-0.021548 \right $	1.18E + 00 - 0.04989 - 0.04989 - 0.04989 - 0.04989 - 0.0705	$1.18\mathrm{E} + 00 -0.05109$ - 0.05318 - 0.05318 - 0.05318 - 0.06269	1.18E + 00 -0.04463 - 0.04463 - 0.04463 - 0.04463 - 0.05541	$1.18\mathrm{E} + 00 -0.04351 - 0.04509 - 0.04509 - 0.04509 - 0.04104$	$1.19\mathrm{E} + 00$ $ -0.04945 - 0.04945 - 0.04945 - 0.04945 - 0.04945$	2.25E+00 -0.071 -0.07287-0.07287-0.07287-0.06293	2.30E + 00 -0.05646 - 0.05737 - 0.05737 - 0.05737 - 0.03628	2.31E+00 -0.0634 -0.06433 -0.06433 -0.06433 -0.06997	2.30E+00	2.33E+00	3.88E + 00	3.90E + 00	3.90E + 00	3.91E + 00	3.97E + 00	3.19E+00	3.28E+00	3.34E + 00	3.29E + 00	3.33E+00
	Ь	2.78E-02	1.55E-02	9.95E-02	1.15E-02		1.21E-01					08E-01			04E-01	.67E-02	:00+389:	.88E+00	.06E+01	.12E+01;	.63E+01	30E+01	.97E+01	.14E + 02	.13E + 02	.49E+01
CPU Time [s	M	60E+00 2	93E+001	92E+00	81E+00 4	35E+007	36E+001	33E+00 §	29E+001	26E+00	97E+00 7	14E+00 2	11E+00 4	95E+00	03E+001	33E+00 8	00E+015	65E+011	06E+011	64E + 021	93E + 021	09E+037	99E + 021	27E+031	38E + 032	49E + 021
CP	C	36E + 001	$1.69E{+}001.93E{+}00$	3.02E + 001.92E + 00	2.22E+001.81E+004.15E-02	$3.28{E}\hbox{-}01\ 1.35{E}\hbox{+}00\ 7.28{E}\hbox{-}03$	30E+003	55E+002	86E + 003.	81E+002	31E+002.)5E+018.	10E+018	36E+017	85E+007	34E+005.	34E + 028	10E + 024	39E+029.	94E+021.	19E + 021.	59E+031.	94E + 022	42E+031.	07E+042	58E + 022
	В	1.32E + 001.06E + 001.60E + 002.78E - 02	3.81E-01 1.0	99E-01	92E-01 2.	54E-01 3.	2.45E+005.30E+003.36E+00	0.10E-01 $2.55E+002.33E+00$ $3.33E-02$	1.56E + 004.86E + 003.29E + 001.18E - 01	$1.58E + 00\ 1.81E + 00\ 2.56E + 00\ 3.76E - 02$	$1.37E + 00\ 5.31E + 00\ 2.97E + 00\ 7.46E - 02$	2.01E + 001.05E + 018.14E + 002.08E - 01	.85E+00 2.	.92E+002.36E+017.95E+003.52E-01	$1.69E + 00\ 5.85E + 00\ 7.03E + 00\ 1.04E - 01\ 2.30E + 00 \\ -0.06737 - 0.06791 - 0.06791 - 0.06791 - 0.05662 \\ -0.05662 - 0.06791 - 0.06791 - 0.05662 \\ -0.05662 - 0.06791 - 0.06791 - 0.06791 - 0.06791 \\ -0.05662 - 0.06791 - 0.06791 - 0.06791 - 0.06791 - 0.06791 \\ -0.05662 - 0.06791 - 0.06791 - 0.06791 - 0.06791 - 0.06791 \\ -0.05662 - 0.06791 - 0.06791 - 0.06791 - 0.06791 - 0.06791 - 0.06791 \\ -0.05662 - 0.06791 - 0.06791 - 0.06791 - 0.06791 - 0.06791 - 0.06791 \\ -0.05662 - 0.06791 - 0.$.69E+004.	$14685 \left 2.27E + 01\ 2.64E + 02\ 8.00E + 01\ 5.68E + 00\ 3.88E + 00\right -0.07649 - 0.07692 - 0.07692 - 0.07692 - 0.09734$	$.09\mathrm{E} + 011.10\mathrm{E} + 024.65\mathrm{E} + 011.88\mathrm{E} + 003.90\mathrm{E} + 00 \Big -0.07013-0.07074-0.07074-0.07074-0.06284$	$23587 \left 4.34E + 01\ 4.39E + 02\ 9.06E + 01\ 1.06E + 01\ 3.90E + 00 \right -0.07136 - 0.07136 - 0.07136 - 0.07136 - 0.05362$.63E+013.9	1.54E + 026.19E + 021.93E + 021.63E + 013.97E + 00 - 0.07416 - 0.07416 - 0.07416 - 0.07416 - 0.03475 -	$.08\mathrm{E} + 023.59\mathrm{E} + 031.09\mathrm{E} + 037.30\mathrm{E} + 016.19\mathrm{E} + 00 - 0.08515 - 0.08648 - 0.08648 - 0.08648 - 0.08548$	$33535 \left 3.81E + 028.94E + 022.99E + 021.97E + 016.28E + 00 \right -0.0804 -0.08211 -0.08211 -0.08211 -0.08211 -0.07456$	$.73\mathrm{E} + 025.42\mathrm{E} + 031.27\mathrm{E} + 031.14\mathrm{E} + 026.34\mathrm{E} + 00 $ -0.08549 -0.08688 -0.08688 -0.08688 -0.05816	$289467\ 156473\ 290131 4.56E + 02\ 1.07E + 04\ 2.38E + 03\ 2.13E + 02\ 6.29E + 00 -0.07739\ -0.07905\ -0.07905\ -0.07905\ -0.07142$	$7.81E + 01\ 7.58E + 02\ 2.49E + 02\ 1.49E + 01\ 6.33E + 00 \\ -0.08943 - 0.09016 - 0.09016 - 0.09016 - 0.07462 \\ -0.08943 - 0.09016 - 0.09016 - 0.09016 - 0.07462 \\ -0.08943 - 0.09016 - 0.09016 - 0.09016 - 0.09016 \\ -0.08943 - 0.09016 - 0.09016 - 0.09016 - 0.09016 \\ -0.08943 - 0.09016 - 0.09016 - 0.09016 \\ -0.08943 - 0.09016 - 0.09016 - 0.09016 \\ -0.08943 - 0.09016 - 0.09016 - 0.09016 \\ -0.08943 - 0.09016 - 0.09016 - 0.09016 \\ -0.08943 - 0.09016 - 0.09016 - 0.09016 \\ -0.08943 - 0.09016 - 0.09016 - 0.09016 \\ -0.08943 - 0.09016 - 0.09016 - 0.09016 \\ -0.08943 - 0.09016 - 0.09016 - 0.09016 \\ -0.08943 - 0.09016 - 0.09016 - 0.09016 \\ -0.08943 - 0.09016 - 0.09016 - 0.09016 \\ -0.08943 - 0.09016 - 0.09016 - 0.09016 \\ -0.08943 - 0.09016 - 0.09016 - 0.09016 \\ -0.08943 - 0.09016 - 0.09016 - 0.09016 \\ -0.08943 - 0.09016 - 0.09016 \\ -0.08943 - 0.09016 - 0.09016 \\ -0.08943 - 0.09016 - 0.09016 \\ -0.08943 - 0.09016 - 0.09016 \\ -0.08943 - 0.09016 - 0.09016 \\ -0.08943 - 0.09016 \\ -0.08943 - 0.09016 \\ -0.08943 - 0.09016 \\ -0.08943 - 0.09016 \\ -0.08943 - 0.09016 \\ -0.08943 - 0.09016 \\ -0.08943 - 0.09016 \\ -0.08943 - 0.09016 \\ -0.08944 - 0.09016 \\$
	Ь	101 1	95	8 692	163	33 1	439 2	87		139 1			1179 4	1289 6.9	373 1	263 1	14685 2	5643 1	23587 4	28707 2	35581 1	126391 4.	33535 3	181135 7.	290131 4	22913 7
Nodes	M	82	141	196	201	35	418	138	291	279	224	614	765	839	570	178	9982	4196	8846	16628	19786	70712	18979	84959	156473	15441
No	C	101	117	237	155	33	451	131	345	139	295	639	1197	1185	369	239	14429	6115	24535	28735	35089	125891	30855	7 176673		23133 15441
	m	151	143	341	81	49	511	201	377	383	361	195	455	877	255	285	1415	725	2597	1573	9659	5795	5837	111137	5575	3011
	u			50					09					80					100					120		

Table 3: D-design with independent data.

M P B 22 27 0.886 (29 51 0.022 (46 39 0.028 (68 57 0.027 (81 47 0.02 (108 67 0.023 (Sum	R	269	2 99	64 7	01 6	8 8	34 8	1	200	88 / 161 10									20.00.00.00.00.00							
Nodes C M P B B 21 22 27 0.886 47 29 51 0.022 6 47 89 57 0.022 6 45 81 47 0.02 55 108 67 0.023 5113 210 141 0.041		R	5 - 0.438	6 - 0.452	7-0.444	9 - 0.458	2 - 0.483	3 -0.44;	7 - 0.445		5 - 0.490	5 - 0.490 $2 - 0.512$	5 -0.490 2 -0.512 8 -0.47	5 -0.490 2 -0.512 8 -0.47: 9 -0.508	5 -0.490 2 -0.512 8 -0.47; 9 -0.508 4 -0.510	5 -0.490 2 -0.512 8 -0.477 9 -0.508 4 -0.510	5 -0.490 2 -0.512 8 -0.47; 9 -0.508 4 -0.510 4 -0.497 1 -0.539	5 -0.490 2 -0.512 8 -0.47; 9 -0.508 4 -0.510 4 -0.497 1 -0.539 3 -0.525	5 -0.490 2 -0.512 8 -0.47; 9 -0.508 4 -0.510 4 -0.497 1 -0.539 3 -0.525	5 -0.49C 2 -0.512 8 -0.47; 9 -0.508 4 -0.51C 1 -0.539 3 -0.525 3 -0.566 3 -0.533	5 -0.490 2 -0.512 8 -0.47; 9 -0.508 9 -0.508 1 -0.539 3 -0.553 3 -0.566 3 -0.568	5 - 0.490 2 - 0.512 8 - 0.47; 9 - 0.508 9 - 0.508 1 - 0.539 3 - 0.535 3 - 0.533 3 - 0.533 3 - 0.533 3 - 0.533	5 -0.490 2 -0.512 8 -0.477 8 -0.508 9 -0.508 1 -0.539 3 -0.555 3 -0.553 3 -0.548 3 -0.548 3 -0.548	5 -0.490 2 -0.512 8 -0.47; 9 -0.508 9 -0.508 1 -0.539 3 -0.553 3 -0.533 3 -0.533 3 -0.548 3 -0.574 8 -0.573	5 -0.490 2 -0.512 8 -0.47; 9 -0.508 9 -0.508 1 -0.539 3 -0.533 3 -0.533 3 -0.533 3 -0.548 3 -0.548 6 -0.54; 8 -0.565 8 -0.565	5 -0.490 2 -0.512 8 -0.47; 9 -0.508 9 -0.508 1 -0.539 3 -0.525 3 -0.533 3 -0.533 3 -0.533 3 -0.533 3 -0.533 3 -0.548 3 -0.574 5 -0.573	5 -0.490 2 -0.512 8 -0.47; 8 -0.47; 9 -0.508 9 -0.508 3 -0.525 3 -0.568 3 -0.574 6 -0.54; 6 -0.573 7 -0.573
Nodes B C M P B 21 22 27 0.886 47 29 51 0.022 35 46 39 0.028 67 68 57 0.027 45 81 47 0.02 55 108 67 0.023 113 210 141 0.041 275 251 226 0.023	lues	Ь	-0.4389	-0.4525	-0.4452	-0.4721	-0.4698	-0.4546	-0.4747	1001	-0.40U1	-0.4001 -0.5011	$0.104.234\ 3.541732\ 0.1032914\ 1.203427\ -0.40013\ -0.40013\ -0.50112\ -0.50112\ -0.50112\ -0.50112\ -0.50112\ -0.50112\ -0.50112\ -0.50112\ -0.50112\ -0.50112\ -0.50112\ -0.50112\ -0.50112\ -0.50112\ -0.50112\ -0.50112\ -0.50112\ -0.48568\ -0$	$\begin{array}{c} 0.104234 \ 3.341 \ 6.2 \ 0.003914 \ 1.203421 \ -0.40010 \ -0.40010 \ -0.40010 \ -0.40010 \ -0.40010 \ -0.40010 \ -0.40010 \ -0.40010 \ -0.40010 \ -0.50112 \ -$	$\begin{array}{c} 0.104294\ 5.341732\ 0.039914\ 1.203427 \\ -0.48015\ -0.48015\ -0.48015\ -0.48015\ -0.48015\ -0.50112\ -0.50112\ -0.50112\ -0.50112\ -0.51257 \\ 7.517614\ 3.459445\ 0.209295\ 1.207465 \\ -0.48485\ -0.48568\ -0.48568\ -0.48568\ -0.48568\ -0.48568\ -0.4729\ 5.871775\ 6.930081\ 0.123518\ 2.236059 \\ -0.52573\ -0.52632\ -0.52639\ -0.52639\ -0.52639\ -0.50395\ 7.601306\ 0.283598\ 2.275386 \\ -0.49282\ -0.49314\ -0.49314\ -0.49314\ -0.51026 \end{array}$	$\begin{array}{l} 0.078\ 0.104294\ 5.341732\ 0.039914\ 1.203427\ -0.48015\ -0.48015\ -0.48015\ -0.48015\ -0.48015\ -0.48015\ -0.48015\ -0.48015\ -0.500112\ -0.50112\ -0.50112\ -0.50112\ -0.50112\ -0.50112\ -0.51257\ 0.099\ 7.517614\ 3.459445\ 0.209295\ 1.207465\ -0.48485\ -0.48568\ -0.48568\ -0.48568\ -0.48568\ -0.48568\ -0.48568\ -0.49282\ -0.52632\ -0.52639\ -0.52639\ -0.52639\ -0.52639\ -0.52639\ -0.52639\ -0.49282\ -0.49314\ -0.49314\ -0.49314\ -0.49314\ -0.51026\ 0.128\ 10.64573\ 7.507315\ 0.301807\ 2.269305\ -0.4972\ -0.49904\ -0.49904\ -0.49904\ -0.49904\ -0.49908\ -0.49768\ \end{array}$	$\begin{array}{c} 0.078\ 0.104294\ 5.341732\ 0.039914\ 1.203427\ -0.48015\ -0.48015\ -0.48015\ -0.48015\ -0.48015\ -0.48015\ -0.48015\ -0.48015\ -0.500112\ -0.50112\ -0.50112\ -0.50112\ -0.51257\ 0.099\ 7.517614\ 3.459445\ 0.209295\ 1.207465\ -0.48485\ -0.48568\ -0.48568\ -0.48568\ -0.48568\ -0.48568\ -0.48568\ -0.48568\ -0.48568\ -0.52639\ -0.52639\ -0.52639\ -0.52639\ -0.52639\ -0.52639\ -0.52639\ -0.52639\ -0.52639\ -0.52639\ -0.49314\ -0.49314\ -0.49904\ -0.49908\ -0.49768\ 0.088\ 17.56696\ 9.041049\ 0.258951\ 2.286159\ -0.53928\ -0.53981\ -0.53981\ -0.53981\ -0.53969 \end{array}$	$\begin{array}{c} 0.078\ 0.104294\ 5.341732\ 0.039214\ 1.203427\ -0.48013\ -0.48013\ -0.48013\ -0.48013\ -0.48013\ -0.48013\ -0.48013\ -0.510212\ 0.0094\ 6.573542\ 3.683303\ 0.119217\ 1.210182\ -0.50081\ -0.50112\ -0.50112\ -0.51257\ 0.099\ 7.517614\ 3.459445\ 0.209295\ 1.207465\ -0.48485\ -0.48568\ -0.48568\ -0.48568\ -0.48568\ -0.48568\ -0.48568\ -0.48568\ -0.48568\ -0.52639\ -0.52639\ -0.52639\ -0.52639\ -0.52639\ -0.49314\ -0.49314\ -0.49314\ -0.49314\ -0.53981\ -0.53969\ 0.041049\ 0.258951\ 2.286159\ -0.53928\ -0.53981\ -0.53981\ -0.53981\ -0.53989\ 0.52583\ -0.52583\ 0.046\ 9.422584\ 7.036418\ 0.152531\ 2.281927\ -0.51478\ -0.51703\ -0.51703\ -0.51703\ 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Nodes B C M P B 21 22 27 0.886 47 29 51 0.028 35 46 39 0.028 67 68 57 0.027 45 81 47 0.02 55 108 67 0.023 113 210 141 0.041 275 251 239 0.078 393 338 381 0.094			0340.0	6150.0	3210.0	392 0.0	3420.0	3250.0	1890.0	7320.0	3030.1		4450.2	445 0.2 081 0.1	445 0.2 081 0.1 306 0.2	1445 0.2 081 0.1 306 0.2 315 0.3	4445 0.2 081 0.1 306 0.2 315 0.3 049 0.2	445 0.2 081 0.1 306 0.2 315 0.3 049 0.2 418 0.1	445 0.2 081 0.1 306 0.2 315 0.3 049 0.2 418 0.1 052 1.2	445 0.2 081 0.1 306 0.2 315 0.3 049 0.2 418 0.1 052 1.2	445 0.2 081 0.1 306 0.2 315 0.3 049 0.2 418 0.1 052 1.2 093 1.0	445 0.2 081 0.1 306 0.2 306 0.2 315 0.3 315 0.3 049 0.2 418 0.1 418 0.1 396 3.4 473 2.0 473 2.0	445 0.2 306 0.2 306 0.2 315 0.3 315 0.2 315 0.3 315 0.3 315 0.3 315 0.3 396 3.4 473 2.0 868 0.4 868 0.4	445 0.2 306 0.2 306 0.2 315 0.3 315 0.2 315 0.3 315 0.2 418 0.1 052 1.2 093 1.0 052 1.2 396 3.4 473 2.0 888 0.4 775 0.16 16.	445 0.2 081 0.1 081 0.1 306 0.2 315 0.3 315 0.2 418 0.1 1.0 052 1.2 093 1.0 688 0.4 473 2.0 688 0.4 523 34.	445 0.2 081 0.1 081 0.1 081 0.1 081 0.1 0.1 081 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2	445 0.2 306 0.2 306 0.2 315 0.3 315 0.3 315 0.2 418 0.1 005 3 1.0 009 3 1.0 009 3 1.0 306 868 0.4 523 34 551 11.5 561 5.0
Nodes B C M P B 21 22 27 0.886 47 29 51 0.022 35 46 39 0.028 67 68 57 0.027 45 81 47 0.02 55 108 67 0.023 113 210 141 0.041 275 251 239 0.078 393 338 381 0.094	CPU	M	51.119	61.493	31.406	3 1.626	81.363	22.601	3.257	43.341	23.683)	$\frac{2}{4}$ 3.459	$\frac{1}{4}$ 3.459 5 6.930	4 3.459 5 6.930 5 7.601	4 3.459 5 6.930 5 7.601 3 7.507	4 3.459 5 6.930 5 7.601 3 7.507 6 9.041	4 3.459 5 6.930 5 7.601 3 7.507 6 9.041 4 7.036	4 3.459 4 3.459 5 6.930 5 7.601 3 7.507 6 9.041 4 7.036 4 31.42	4 3.459 5 6.930 5 7.601 3 7.507 6 9.041 4 7.036 4 31.42	4 3.459 5 6.930 5 7.601 3 7.507 6 9.041 4 7.036 4 31.42 2 21.35	4 3.459 5 6.930 5 7.601 3 7.507 6 9.041 4 7.036 4 31.42 2 21.35 1 56.94	4 4 3.459 5 5 6.930 3 7.507 6 9.041 4 7.036 4 31.42 2 21.35 2 21.35 8 42.13	2 4 4 3.459 4 5.459 5 7.601 3 7.507 6 9.041 4 7.036 4 31.42 2 21.35 2 21.35 8 42.13 3 17.42 6 298.5	4 3.459 4 3.459 5 7.601 3 7.507 6 9.041 4 7.036 4 7.036 8 42.13 3 17.42 6 298.5	4 3.459 5 6.930 5 7.601 3 7.507 6 9.041 6 9.041 4 7.036 4 31.42 2 21.35 1 56.94 3 17.42 6 298.5 1 603.6	4 3.459 4 3.459 5 6.930 5 7.601 3 7.507 4 7.036 4 31.42 2 21.35 1 56.94 1 56.94 1 603.6 7 233.3
Nodes B B C M P B 21 22 27 0.886 47 29 51 0.022 35 46 39 0.028 67 68 57 0.027 45 81 47 0.02 55 108 67 0.023 113 210 141 0.041 275 251 239 0.078 393 338 381 0.094		C	.20182	.37128	.72011	.57305	.40366	.57470	1.28259	.16429	57354		.51761	.51761	.51761 .87177 2.0039	2.0039 0.6457	2.0039, 0.6457, 7.5669	.51761 .87177 2.0039 0.6457 7.5669	51761 871777 2.00399 0.64577 7.5669 7.42258	871777 2.0039; 0.6457; 7.5669 7.5669; 1.42258; 3.0632; 0.2430;			2.0039 2.0039 0.6457 7.5669 1.42258 3.0632 26.122 9.6210	2.0039 2.0039 0.6457 7.5669 1.42258 3.0632 0.2430 0.2430 0.2102 0.7191 94.315	2.0039 2.0039 0.6457 7.5669 7.5669 3.0632 3.0632 9.6210 9.6210 9.4.315	2.0039 2.0039 0.6457 0.6457 7.5669 3.0632 3.0632 9.6210 0.71911 1301.24	2.0039 2.0039 0.6457 0.6457 0.02430 0.2430 0.2430 0.7191 1301.24 32.396 33.831
Nodes C M 21 22 47 29 35 46 67 68 45 81 55 108 113 210 275 251		В	0.8860	0.0221	0.0280	0.0271		0.0230		0.0786	0.0946		0.09 7	0.09 7 0.101 5	0.09 7 0.09 7 0.101 5 0.151 1	0.09 7 0.101 5 0.151 1 0.128 1	0.09 7 0.101 5 0.151 1 0.128 1 0.088 1	0.09 7 0.09 7 0.101 5 0.151 1 0.128 1 0.088 1	0.09 7 0.09 7 0.101 5 0.151 1 0.128 1 0.046 9 0.046 9	0.09 7 0.09 7 0.101 5 0.151 1 0.128 1 0.088 1 0.046 9 0.135 4	0.09 7 0.09 7 0.101 5 0.128 1 0.088 1 0.046 9 0.135 4 0.387 4	0.09 7 0.101 5 0.151 1 0.128 1 0.088 1 0.046 9 0.387 4 0.387 4	0.00 5 7 0 0.00 5 1 0 0.00 5 1 0 0.00 5 1 0 0.00 5 1 0 0.00 6 0 0.00 5 1 0 0 0.00 5 1 0 0 0.00 5 1 0 0 0.00 5 1 0 0 0.00 5 1 0 0 0.00 5 1 0 0 0.00 5 1 0 0 0 0.00 5 1 0 0 0 0.00 5 1 0 0 0 0 0 0.00 5 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.09 7 0.09 7 0.101 5 0.121 1 0.088 1 0.046 9 0.135 4 0.467 1 0.225 9 0.243 2	0.09 7 0.00 1 0.00 1 0.00 1 0.00 1 0.00 1 0.00 1 1 1 1	0.009 7 0.0101 5 0.0121 1 0.088 1 0.046 9 0.387 4 0.387 4 0.243 2 0.243 2 0.353 7	0.009 7 0.0101 5 0.0121 1 0.028 1 0.046 9 0.135 4 0.387 4 0.225 9 0.243 2 0.353 7 0.353 7
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C C 21 21 47 35 67 45 55 113 275 275 393	Nodes	M	22	29	46	89	81	108	210	251	338		326	$326 \\ 435$	326 435 726	326 435 726 375	326 435 726 375 656	326 435 726 375 656 420	• •					1 1		326 435 726 375 656 420 2542 1472 5309 3794 1093 119204	326 435 726 375 656 420 2542 1472 5309 3794 1093 119204 11440
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$\frac{m}{60}$			13	15) 119	15	15	က	13		33		37	37 19	37 19 37	37 19 37 80 29	37 19 37 37 15	37 19 37 37 15 15 11	37 19 37 37 15 11 11 23						37 19 19 19 11 11 11 11 11 11 11 11 11 11	37 19 19 10 11 11 11 11 11 11 11 11 11	37 19 19 15 15 11 11 11 11 11 11 11 11

Table 4: D-design with correlated data.