

7. Appendix

The detailed results of the inconsistency indexes tests are presented in this section. Each description of the table includes the information about the degree of incompleteness (g) and the matrix size (n). The results are ordered by the value d which define the level of inconsistency (see 5.2.3 on page 32).

Table 7.1. Relative error of the inconsistency indexes for incomplete matrices ($g = 15\%$, $n = 4$)

d	CI	GCI	K	ML	ML^*	CM^*	PL	I_1	I_2	I_α	$I_{\alpha,\beta}$	HCI	GW	CM	ICD	RE
1.1	33.19	12104.96	17.50	24.29	40.80	40.59	40.82	23.73	47.53	20.25	21.48	176471.17	924.12	2591.56	1.68	97.42
1.2	33.52	1567.67	18.85	25.93	45.06	44.05	45.18	24.47	46.35	21.30	22.53	32823.18	359.14	1063.09	3.89	308.02
1.3	33.31	725.44	17.41	24.95	43.15	41.54	43.35	23.15	46.27	19.89	20.99	12787.44	213.47	744.18	5.02	71.52
1.4	33.21	645.42	16.20	23.81	40.22	37.90	40.50	22.10	45.79	18.66	19.61	16629.05	204.06	623.89	5.95	45.49
1.5	33.08	353.33	15.83	24.97	41.91	38.20	42.44	22.53	46.35	18.63	19.59	5285.36	126.31	482.26	8.31	68.22
1.6	33.12	326.60	15.89	25.01	42.02	37.85	42.63	22.18	46.25	18.53	19.50	4959.79	115.14	492.77	8.97	46.59
1.7	33.39	209.28	16.05	25.78	44.03	38.61	44.95	22.35	45.54	18.66	19.60	2795.70	101.82	377.33	10.91	52.22
1.8	33.59	141.17	14.74	24.06	41.89	35.46	43.09	20.39	44.07	17.02	17.88	1907.41	77.62	283.58	12.05	102.17
1.9	33.09	345.42	15.18	24.71	42.12	36.38	43.18	21.25	45.07	17.67	18.76	3620.01	103.23	397.19	11.62	245.15
2	33.56	154.50	13.95	23.92	41.22	34.33	42.78	19.98	44.31	16.37	17.34	1695.00	62.10	256.96	13.63	20761.78
2.1	33.54	151.87	14.90	26.15	43.94	36.30	45.70	22.00	45.23	17.72	18.39	2641.03	84.38	292.25	15.32	89.12
2.2	33.54	128.82	14.04	24.74	41.61	34.29	43.22	20.30	45.29	16.60	17.66	2376.14	76.89	266.18	15.08	422.96
2.3	33.30	95.04	14.16	24.85	42.44	35.36	44.18	20.23	44.78	16.64	17.78	1634.53	68.92	229.25	15.88	101.10
2.4	33.57	211.08	13.77	24.51	42.04	34.03	43.94	19.66	44.55	16.14	17.13	1658.24	76.01	279.75	16.24	81.57
2.5	33.84	90.66	14.34	26.48	45.19	36.25	47.81	21.17	44.31	16.99	17.56	1421.62	67.20	208.67	19.02	164.15
2.6	33.42	81.83	13.50	25.29	43.13	34.46	45.72	19.90	44.36	16.01	16.80	1573.20	68.03	214.57	19.25	69.40
2.7	33.05	109.41	13.05	24.51	41.66	34.11	44.08	19.87	44.36	15.76	16.76	992.45	58.29	239.06	18.82	1743.72
2.8	33.27	166.17	12.98	24.78	42.11	33.69	44.91	19.82	44.04	15.67	16.60	1445.28	61.24	244.57	19.75	72.94
2.9	33.21	160.23	12.01	24.05	40.72	32.46	43.71	18.99	44.09	14.73	15.68	3339.37	67.32	208.39	20.82	2333.47
3	33.24	85.97	12.12	24.47	41.06	32.71	44.14	19.24	44.41	14.96	15.89	1250.55	57.19	195.25	21.98	332.82
3.1	33.45	56.19	12.98	25.66	43.99	34.58	47.42	19.47	43.82	15.56	16.52	798.47	50.10	177.58	23.02	69.28
3.2	33.32	62.35	12.88	25.19	43.30	34.40	46.43	19.84	43.68	15.58	16.15	1035.09	52.63	192.25	21.30	2688.16
3.3	33.87	69.95	11.43	23.98	40.86	32.59	44.75	18.20	43.45	14.09	15.02	898.67	47.98	168.69	23.84	96.62
3.4	33.91	64.68	12.07	23.78	41.53	32.61	45.21	18.29	42.94	14.44	15.17	998.13	50.90	182.56	21.56	54.37
3.5	33.55	65.82	12.88	26.69	45.71	35.43	50.14	19.25	43.77	15.40	16.32	830.19	48.11	149.19	27.25	99.53
3.6	33.55	53.38	11.45	24.17	41.34	32.62	45.62	18.09	43.33	14.05	15.06	765.32	42.11	159.29	25.92	406.00
3.7	33.53	55.87	12.13	24.93	42.65	34.01	46.70	18.49	44.12	14.60	15.50	1116.55	48.22	193.19	24.59	57.03
3.8	33.48	71.37	11.52	25.63	43.51	34.16	48.50	20.03	43.33	14.85	15.31	1303.35	59.66	167.63	27.58	40.68
3.9	33.30	96.37	12.26	25.20	42.90	34.07	46.90	19.45	44.01	15.04	15.92	1453.40	66.04	214.01	24.72	368.10
4	33.21	49.52	9.71	21.61	37.22	28.93	41.43	15.81	42.82	12.13	13.51	684.82	39.42	151.90	24.37	22689.73
Mean	33.41	616.68	13.86	24.80	42.31	35.40	44.65	20.34	44.61	16.47	17.40	9573.02	115.92	381.57	16.94	1792.64

Table 7.2. Relative error of the inconsistency indexes for incomplete matrices ($g = 15\%$, $n = 6$)

d	CI	GCI	K	ML	ML^*	PL	I_1	I_2	I_α	$I_{\alpha,\beta}$	HCI	GW	CM	I_{CD}	RE	
1.1	20.10	1868.93	6.43	10.31	17.89	17.64	17.91	9.94	26.51	7.46	7.29	24720.24	470.82	1378.25	0.78	42.04
1.2	19.80	626.24	5.76	10.17	17.52	16.63	17.59	9.51	26.48	7.04	6.82	7130.13	228.74	695.06	1.47	31.32
1.3	19.91	315.86	5.84	10.01	17.24	15.71	17.39	9.10	26.38	6.84	6.64	3767.46	143.24	463.31	2.09	345.58
1.4	19.77	121.52	5.38	10.12	18.08	15.77	18.36	8.82	26.37	6.53	6.39	1705.04	80.19	327.93	2.77	27.44
1.5	20.23	123.06	5.45	10.10	17.46	15.24	17.82	8.73	25.94	6.48	6.26	1329.51	62.25	269.96	3.23	6787322
1.6	19.96	69.34	4.85	10.29	17.74	15.30	18.21	8.69	26.16	6.15	5.91	1011.94	55.21	234.21	3.87	26.59
1.7	19.65	56.03	4.29	9.65	16.82	14.58	17.36	8.01	26.04	5.60	5.35	907.14	51.93	224.46	3.99	43.59
1.8	20.06	39.81	4.78	10.60	18.60	15.90	19.37	8.55	26.04	6.07	5.79	735.89	45.47	185.14	4.72	20.31
1.9	20.23	34.56	4.18	10.35	18.09	15.58	19.01	8.16	25.94	5.56	5.24	581.36	36.39	159.97	5.26	16.97
2	19.76	36.44	3.99	10.13	17.84	15.35	18.87	7.91	26.04	5.39	5.11	526.35	35.92	158.19	5.44	17.64
2.1	19.73	37.17	4.04	10.20	17.99	15.90	19.24	7.86	26.10	5.40	5.12	408.66	30.08	150.79	5.84	31.73
2.2	19.96	36.53	3.89	10.43	18.45	15.97	19.84	7.86	25.98	5.35	5.04	398.67	30.98	148.00	6.31	34.77
2.3	19.93	23.78	3.53	10.24	17.86	16.25	19.40	7.70	25.98	5.05	4.73	332.65	26.02	131.13	6.66	23.92
2.4	19.97	30.74	3.41	10.30	17.85	16.16	19.56	7.69	25.96	5.00	4.68	302.98	22.19	126.65	7.01	559.80
2.5	19.75	24.94	3.64	10.31	18.15	17.09	20.00	7.53	26.05	5.06	4.76	286.94	23.32	115.85	7.26	26.15
2.6	19.73	26.64	3.52	10.17	18.08	17.72	20.21	7.41	25.91	4.93	4.62	307.05	26.22	121.68	7.28	16.48
2.7	19.77	21.14	3.25	9.94	17.34	17.36	19.53	7.20	26.05	4.71	4.41	250.59	21.04	100.36	7.64	39.40
2.8	19.97	21.97	3.11	10.14	18.02	16.96	20.42	7.18	25.90	4.72	4.40	252.98	20.64	103.64	8.17	21.85
2.9	19.55	20.94	2.83	10.10	17.69	17.09	20.07	7.15	26.04	4.52	4.19	261.89	20.84	103.84	8.22	21.15
3	19.89	19.99	3.03	10.48	18.12	18.07	20.87	7.33	25.87	4.72	4.35	217.32	20.21	99.81	9.08	27.14
3.1	19.75	19.73	2.86	10.03	17.80	18.23	20.81	6.85	25.86	4.42	4.09	207.25	19.56	89.76	9.07	32.38
3.2	19.70	18.36	2.89	10.47	18.70	18.83	22.01	7.03	25.98	4.55	4.25	214.99	19.02	86.30	9.41	15.74
3.3	19.75	20.36	2.69	10.46	18.50	17.92	21.52	7.08	26.01	4.48	4.17	220.45	19.47	97.12	9.43	17.05
3.4	19.55	19.49	2.26	10.33	18.02	17.37	21.12	7.01	25.98	4.22	3.88	195.49	18.51	89.56	9.64	27.51
3.5	19.73	19.08	2.23	10.21	17.63	18.12	20.78	6.86	26.00	4.16	3.81	192.48	19.15	82.64	9.96	130.74
3.6	19.83	16.85	2.66	10.33	18.37	18.30	22.08	6.77	25.93	4.31	3.99	174.28	16.35	77.63	10.06	178.79
3.7	19.58	19.05	2.27	9.83	17.47	17.62	21.04	6.44	26.01	3.97	3.69	186.37	17.67	84.63	9.91	254.39
3.8	19.76	18.52	2.86	10.61	18.97	20.55	23.18	6.92	26.04	4.51	4.21	178.71	18.07	83.83	10.49	18.02
3.9	19.55	17.26	2.42	10.04	17.76	19.14	21.43	6.56	26.03	4.13	3.82	168.91	17.06	86.59	10.04	24.04
4	19.55	17.59	2.37	10.02	17.77	19.90	21.99	6.48	26.06	4.04	3.73	150.92	14.63	75.63	10.43	13.09
Mean	19.82	124.73	3.69	10.21	17.93	17.07	19.90	7.68	26.05	5.18	4.89	1577.49	54.37	205.06	6.85	226313.60

Table 7.3. Relative error of the inconsistency indexes for incomplete matrices ($g = 15\%$, $n = 8$)

d	CI	GCI	K	ML	ML^*	CM^*	PL	I_1	I_2	I_α	$I_{\alpha,\beta}$	HCI	GW	CM	I_{CD}	RE
1.1	18.96	1225.95	4.09	6.38	11.35	11.15	11.37	6.13	27.13	4.52	4.36	17996.79	392.32	1182.47	0.49	13.90
1.2	18.83	316.10	3.68	6.46	11.44	10.86	11.50	5.99	27.13	4.26	4.06	4579.40	174.75	580.40	0.96	13.93
1.3	18.98	180.77	3.58	6.56	11.76	10.75	11.88	5.87	27.06	4.17	3.96	2345.13	113.61	416.96	1.38	36.61
1.4	19.05	84.52	3.55	6.62	11.78	10.65	11.97	5.77	27.11	4.12	3.92	1425.06	75.22	303.49	1.80	250.90
1.5	19.04	76.86	3.19	6.36	11.33	10.44	11.59	5.42	27.03	3.81	3.60	1043.73	65.41	263.84	2.03	16.10
1.6	18.91	45.10	3.27	6.57	11.82	11.15	12.21	5.47	27.12	3.85	3.64	786.59	49.24	218.35	2.40	14.15
1.7	18.82	31.42	3.03	6.59	11.78	11.55	12.31	5.35	27.09	3.71	3.49	595.07	38.12	182.82	2.82	27.71
1.8	18.92	25.39	2.48	6.45	11.49	11.29	12.07	5.13	27.08	3.31	3.04	490.23	30.36	159.28	3.07	29.66
1.9	18.82	24.17	2.47	6.66	11.75	11.65	12.43	5.26	27.13	3.36	3.07	441.43	30.10	147.44	3.35	29.23
2	18.84	20.33	2.20	6.67	11.81	12.27	12.60	5.14	27.13	3.16	2.85	374.75	27.41	130.04	3.65	8708.76
2.1	18.91	16.51	2.39	6.52	11.64	12.49	12.57	4.94	27.07	3.21	2.94	306.72	21.69	114.90	3.84	12.41
2.2	18.92	15.13	2.17	6.52	11.87	13.02	13.03	4.81	27.04	3.05	2.77	279.28	20.36	106.14	4.10	27.71
2.3	18.74	20.59	2.15	6.66	12.04	13.08	13.24	4.90	27.19	3.07	2.80	273.36	21.15	115.29	4.26	1144.60
2.4	18.92	17.16	2.01	6.68	11.93	13.20	13.23	4.85	27.04	2.98	2.68	266.67	21.47	110.77	4.49	18.08
2.5	18.58	15.50	1.97	6.59	11.84	14.02	13.34	4.74	27.15	2.92	2.63	222.52	17.75	99.31	4.71	10.70
2.6	18.74	15.37	1.73	6.63	11.81	13.35	13.33	4.72	27.06	2.81	2.48	233.57	20.21	97.41	4.87	29.43
2.7	18.83	14.81	1.95	6.80	12.40	15.19	14.30	4.73	27.11	2.96	2.67	212.86	18.45	94.03	5.15	10.80
2.8	18.64	15.54	1.76	6.67	12.06	14.50	14.03	4.64	27.16	2.79	2.48	193.15	16.09	88.45	5.24	200.86
2.9	18.64	14.81	1.56	6.67	12.00	14.44	14.07	4.54	27.24	2.68	2.39	166.18	15.05	82.83	5.60	10.76
3	18.89	15.89	1.83	6.72	11.83	15.41	13.82	4.68	27.03	2.84	2.52	181.14	15.87	82.41	5.56	11.36
3.1	18.81	14.19	1.48	6.69	12.18	14.51	14.51	4.49	27.06	2.62	2.30	175.17	14.97	78.67	5.74	13.32
3.2	18.81	17.16	1.47	6.53	11.74	14.16	13.98	4.40	27.03	2.60	2.29	154.99	14.71	78.09	5.76	11651.28
3.3	18.54	15.02	1.49	6.85	12.33	15.08	14.87	4.57	27.22	2.66	2.35	158.88	14.60	77.46	6.14	13.70
3.4	18.67	14.87	1.38	6.61	12.06	14.50	14.76	4.31	27.12	2.53	2.23	142.38	13.50	72.61	6.16	10.47
3.5	18.67	14.36	1.17	6.60	11.90	14.22	14.74	4.26	27.09	2.41	2.10	128.52	11.69	65.40	6.50	15.35
3.6	18.61	13.83	1.26	6.74	12.04	15.27	14.91	4.39	27.11	2.50	2.18	136.06	12.42	68.00	6.65	16.50
3.7	18.54	14.01	1.18	6.83	12.28	14.44	15.31	4.41	27.26	2.49	2.20	138.96	15.05	70.51	6.77	10.50
3.8	18.70	14.00	1.25	6.59	12.04	14.90	15.14	4.18	27.11	2.41	2.10	125.35	11.25	64.67	6.69	11.43
3.9	18.56	14.36	1.28	6.73	12.42	15.84	15.87	4.25	27.14	2.48	2.20	120.27	11.68	67.99	6.79	12.50
4	18.50	14.46	1.12	6.53	11.70	14.57	14.80	4.17	27.24	2.36	2.06	125.58	12.49	63.20	6.79	13.70
Mean	18.78	77.94	2.14	6.62	11.88	13.26	13.46	4.88	27.12	3.09	2.81	1127.33	43.90	176.11	4.46	746.21

Table 7.4. Relative error of the inconsistency indexes for incomplete matrices ($g = 15\%$, $n = 10$)

d	CI	GCI	K	ML	ML^*	CM^*	PL	I_1	I_2	I_α	$I_{\alpha,\beta}$	HCI	GW	CM	I_{CD}	RE
1.1	19.53	1155.16	3.92	4.95	8.90	8.70	8.91	4.75	29.43	3.95	3.88	16874.42	410.53	1099.63	0.37	12.99
1.2	19.39	253.54	3.46	4.87	8.86	8.38	8.91	4.50	29.56	3.55	3.45	4528.27	170.36	541.47	0.72	14.48
1.3	19.38	120.88	2.95	4.82	8.65	8.08	8.74	4.32	29.59	3.19	3.05	2174.76	107.84	366.14	1.01	23.06
1.4	19.49	84.28	2.78	4.88	8.79	8.37	8.95	4.24	29.51	3.08	2.92	1481.84	84.23	300.03	1.29	14.45
1.5	19.34	42.46	2.55	4.77	8.56	8.67	8.77	4.04	29.69	2.87	2.71	957.94	58.79	224.77	1.55	13.71
1.6	19.29	44.20	2.49	4.94	8.82	9.42	9.12	4.09	29.59	2.83	2.64	727.91	53.04	206.90	1.86	11.50
1.7	19.41	28.15	2.38	4.90	8.78	9.85	9.16	3.99	29.59	2.77	2.58	592.50	39.57	176.37	2.03	11.84
1.8	19.22	22.33	1.88	4.89	8.81	9.60	9.31	3.86	29.64	2.43	2.20	448.98	30.53	148.97	2.30	11.27
1.9	19.30	16.87	1.91	5.03	9.05	10.25	9.63	3.91	29.61	2.46	2.21	395.36	29.29	129.76	2.56	19.11
2	19.27	18.50	1.75	4.85	8.82	10.15	9.49	3.69	29.59	2.30	2.07	341.46	24.36	118.92	2.65	14.77
2.1	19.19	15.15	1.48	4.93	9.00	10.17	9.77	3.67	29.67	2.17	1.91	303.67	24.69	112.30	2.85	17.30
2.2	19.25	14.38	1.71	4.88	8.87	11.27	9.79	3.62	29.65	2.27	2.03	270.64	20.74	101.79	3.03	23.24
2.3	19.18	13.76	1.57	5.01	8.96	11.54	9.92	3.68	29.71	2.21	1.96	247.99	18.55	97.39	3.26	10.62
2.4	19.07	13.76	1.44	4.92	9.00	11.47	10.13	3.52	29.71	2.11	1.86	229.97	16.87	90.29	3.35	9.43
2.5	19.15	12.40	1.47	5.16	9.39	11.90	10.64	3.64	29.68	2.17	1.91	216.72	16.58	84.43	3.65	11.09
2.6	19.19	13.72	1.30	5.06	9.11	11.80	10.41	3.56	29.68	2.06	1.78	199.80	15.48	81.51	3.76	11.59
2.7	19.03	13.46	1.25	5.05	9.25	12.09	10.77	3.48	29.70	2.01	1.75	188.03	15.59	83.84	3.89	9.17
2.8	19.14	12.62	1.15	4.92	8.97	11.46	10.50	3.39	29.64	1.94	1.67	180.37	14.13	79.28	3.93	9.21
2.9	19.15	12.95	1.14	5.07	9.20	11.94	10.79	3.45	29.66	1.93	1.65	179.07	14.91	77.85	4.09	8.95
3	19.04	12.77	1.08	5.03	9.12	11.98	10.82	3.38	29.66	1.91	1.64	157.43	13.32	72.07	4.25	9.19
3.1	19.12	13.47	1.16	5.06	9.29	13.14	11.21	3.38	29.68	1.95	1.69	159.90	13.95	70.73	4.33	2667.27
3.2	19.12	13.46	0.92	5.06	9.23	11.96	11.23	3.29	29.66	1.79	1.51	133.49	10.90	62.17	4.59	11.42
3.3	18.90	13.40	0.93	5.09	9.20	12.67	11.27	3.32	29.68	1.82	1.55	136.33	12.09	62.06	4.70	9.53
3.4	18.97	13.98	0.99	5.02	9.23	12.80	11.44	3.26	29.64	1.83	1.55	136.32	12.20	64.45	4.64	8.68
3.5	19.02	13.45	0.85	5.04	9.22	12.30	11.58	3.23	29.65	1.77	1.50	131.77	12.14	62.60	4.82	11.26
3.6	18.89	13.71	0.89	5.00	9.09	13.36	11.58	3.20	29.70	1.77	1.51	130.88	12.04	60.70	4.92	10.69
3.7	19.05	13.99	0.86	4.96	9.18	12.92	11.80	3.10	29.68	1.72	1.48	118.81	10.17	58.11	4.96	8.58
3.8	18.92	13.73	0.83	4.92	9.17	13.37	11.98	3.06	29.70	1.70	1.46	116.52	10.90	59.11	5.01	8.57
3.9	18.95	13.83	0.84	5.16	9.43	13.50	12.24	3.24	29.66	1.77	1.50	117.82	10.76	55.46	5.29	13.61
4	18.97	14.11	0.75	4.99	9.09	12.96	11.90	3.11	29.65	1.69	1.43	111.52	10.35	52.72	5.26	9.53
Mean	19.16	68.62	1.62	4.97	9.03	11.20	10.36	3.63	29.64	2.27	2.04	1066.35	43.16	160.06	3.36	100.87

Table 7.5. Relative error of the inconsistency indexes for incomplete matrices ($g = 15\%$, $n = 15$)

d	CI	GCI	K	ML	ML^*	CM^*	PL	I_1	I_2	I_α	$I_{\alpha,\beta}$	HCI	GW	CM	I_{CD}	RE
1.1	17.57	561.32	2.04	2.63	4.77	4.69	4.78	2.52	28.45	2.03	1.99	13707.79	349.07	973.37	0.20	8.36
1.2	17.56	157.50	1.87	2.58	4.71	4.59	4.73	2.38	28.44	1.87	1.82	3743.03	155.41	489.03	0.38	9.05
1.3	17.53	75.97	1.53	2.63	4.77	4.77	4.82	2.35	28.47	1.64	1.55	1830.62	96.86	331.17	0.56	8.47
1.4	17.54	45.84	1.63	2.61	4.75	5.15	4.84	2.25	28.44	1.69	1.62	1095.93	70.11	251.58	0.71	16.68
1.5	17.57	28.86	1.50	2.70	4.93	5.73	5.06	2.27	28.43	1.62	1.53	793.06	53.86	202.90	0.88	8.32
1.6	17.54	16.10	1.30	2.65	4.84	5.88	5.02	2.17	28.44	1.46	1.36	588.20	39.72	165.10	0.99	8.32
1.7	17.52	14.44	1.11	2.64	4.80	5.81	5.03	2.12	28.43	1.33	1.20	458.27	31.10	142.46	1.12	7.48
1.8	17.47	12.65	1.12	2.65	4.84	6.31	5.13	2.07	28.47	1.33	1.21	379.04	27.81	123.50	1.25	11.56
1.9	17.45	10.25	0.92	2.66	4.84	6.29	5.17	2.04	28.49	1.22	1.08	315.06	22.47	108.59	1.37	12.30
2	17.49	11.79	0.91	2.68	4.86	6.43	5.25	2.02	28.42	1.21	1.05	283.17	20.10	99.76	1.48	7.21
2.1	17.35	9.64	0.80	2.68	4.89	6.58	5.34	1.98	28.48	1.13	0.97	248.61	18.68	91.90	1.57	8.47
2.2	17.48	10.99	0.79	2.72	5.00	6.69	5.52	1.97	28.42	1.14	0.97	228.62	17.98	91.61	1.66	7.68
2.3	17.38	9.99	0.83	2.73	5.00	7.40	5.59	1.95	28.48	1.14	0.98	205.13	16.07	80.30	1.78	7.24
2.4	17.35	10.98	0.65	2.77	5.12	6.83	5.79	1.95	28.47	1.07	0.89	189.52	15.35	75.26	1.89	8.23
2.5	17.38	11.42	0.65	2.76	5.09	7.19	5.83	1.91	28.46	1.05	0.88	167.69	11.74	67.59	1.99	9.42
2.6	17.36	11.25	0.59	2.74	5.07	7.17	5.85	1.87	28.47	1.01	0.83	157.04	11.51	67.61	2.05	6.35
2.7	17.40	11.53	0.56	2.76	5.05	7.14	5.87	1.88	28.43	1.01	0.82	150.35	11.37	64.87	2.14	11.00
2.8	17.40	11.65	0.55	2.79	5.15	7.41	6.07	1.86	28.43	1.00	0.82	139.44	11.07	63.64	2.24	6.68
2.9	17.36	11.61	0.51	2.76	5.11	7.26	6.11	1.83	28.45	0.98	0.80	137.52	10.55	60.08	2.26	6.59
3	17.28	11.94	0.44	2.77	5.12	7.15	6.18	1.81	28.48	0.94	0.76	126.45	9.85	57.55	2.36	369.89
3.1	17.22	12.09	0.46	2.78	5.10	7.53	6.20	1.82	28.50	0.95	0.77	123.41	9.78	56.70	2.42	6.85
3.2	17.21	12.68	0.42	2.79	5.17	7.29	6.40	1.79	28.49	0.92	0.74	115.04	8.97	52.05	2.51	7.64
3.3	17.21	11.83	0.44	2.77	5.17	7.68	6.50	1.76	28.49	0.93	0.75	112.29	10.29	55.38	2.55	5.80
3.4	17.23	12.59	0.36	2.78	5.12	7.20	6.41	1.76	28.48	0.90	0.73	106.64	9.18	51.97	2.61	6.49
3.5	17.25	12.76	0.40	2.79	5.23	7.83	6.70	1.75	28.44	0.92	0.74	105.74	9.24	49.81	2.66	9.76
3.6	17.17	12.71	0.36	2.81	5.19	7.77	6.66	1.76	28.50	0.91	0.73	100.17	8.41	47.25	2.75	6.94
3.7	17.25	13.26	0.35	2.80	5.27	7.84	6.93	1.70	28.48	0.88	0.71	94.80	7.81	45.11	2.82	7.29
3.8	17.16	13.31	0.36	2.83	5.30	8.25	7.05	1.73	28.47	0.90	0.72	96.17	8.25	44.53	2.89	9.03
3.9	17.19	13.32	0.34	2.82	5.28	8.16	7.05	1.72	28.50	0.88	0.71	92.31	7.48	43.84	2.90	6.53
4	17.18	13.58	0.32	2.82	5.28	8.41	7.19	1.70	28.47	0.87	0.70	88.90	7.80	41.92	2.99	6.95
Mean	17.37	39.13	0.80	2.73	5.03	6.81	5.84	1.96	28.46	1.16	1.01	866.00	36.26	136.55	1.87	20.42

Table 7.6. Relative error of the inconsistency indexes for incomplete matrices ($g = 4\%$, $n = 8$)

d	CI	GCI	K	ML	ML^*	CM^*	PL	I_1	I_2	I_α	$I_{\alpha,\beta}$	HCI	GW	CM	I_{CD}	RE
1.1	4.80	376.42	1.01	2.85	4.99	4.91	5.00	2.75	6.07	1.63	1.45	4694.29	124.92	591.22	0.22	216.73
1.2	4.88	97.58	1.11	2.86	5.02	4.71	5.04	2.66	6.02	1.68	1.52	1253.94	54.79	301.93	0.42	68.51
1.3	4.78	35.02	0.96	2.86	5.00	4.53	5.05	2.58	6.04	1.57	1.39	563.95	30.02	191.55	0.61	6.43
1.4	4.71	28.29	0.76	2.89	5.07	4.58	5.15	2.54	6.03	1.43	1.24	370.61	22.87	154.91	0.76	137.96
1.5	4.74	15.96	0.78	2.98	5.29	4.77	5.41	2.54	6.00	1.45	1.26	254.74	17.16	124.40	0.95	9.01
1.6	4.68	14.12	0.72	2.85	5.04	4.69	5.19	2.38	5.98	1.37	1.19	197.42	14.80	107.02	1.07	5.57
1.7	4.70	11.69	0.78	2.95	5.06	4.90	5.24	2.44	5.99	1.44	1.25	153.18	12.64	92.25	1.23	6.00
1.8	4.69	9.13	0.56	2.86	5.01	4.83	5.25	2.29	5.94	1.26	1.07	119.45	10.61	81.00	1.35	4.75
1.9	4.71	8.25	0.54	2.94	5.20	5.13	5.49	2.30	5.93	1.26	1.06	116.59	10.09	73.56	1.49	5.96
2	4.70	7.22	0.54	2.87	5.05	5.07	5.39	2.22	5.89	1.23	1.04	91.04	8.78	69.22	1.57	4.31
2.1	4.73	6.33	0.50	2.93	5.16	5.05	5.55	2.24	5.86	1.22	1.02	79.25	8.17	59.85	1.69	5.49
2.2	4.74	6.55	0.37	2.99	5.27	5.10	5.72	2.23	5.87	1.15	0.94	73.99	7.43	54.38	1.88	8.66
2.3	4.62	5.65	0.40	2.94	5.26	5.18	5.76	2.17	5.93	1.14	0.94	65.02	6.90	55.16	1.93	4.10
2.4	4.72	5.74	0.43	2.89	5.02	5.16	5.53	2.14	5.85	1.16	0.95	62.30	7.06	51.68	1.99	4.31
2.5	4.68	6.01	0.45	2.89	5.11	5.25	5.69	2.11	5.88	1.16	0.97	62.31	7.19	53.03	2.02	5.07
2.6	4.76	5.63	0.42	2.86	5.06	5.22	5.65	2.07	5.85	1.12	0.93	54.67	6.56	49.15	2.07	5.92
2.7	4.70	5.32	0.39	2.88	5.12	5.37	5.79	2.02	5.84	1.10	0.91	46.25	5.89	45.00	2.24	3.98
2.8	4.65	4.97	0.35	2.85	5.07	5.25	5.82	2.00	5.89	1.06	0.88	44.96	5.66	42.99	2.29	3.66
2.9	4.62	5.06	0.34	2.79	4.92	5.13	5.65	1.96	5.87	1.05	0.85	44.89	5.60	42.07	2.33	4.05
3	4.73	4.83	0.33	2.96	5.13	5.27	5.90	2.08	5.84	1.10	0.88	42.09	5.87	42.70	2.49	9.51
3.1	4.75	5.14	0.37	2.93	5.28	5.51	6.21	1.99	5.83	1.09	0.89	44.28	6.21	42.68	2.49	4.03
3.2	4.65	4.81	0.32	2.95	5.28	5.53	6.25	1.96	5.89	1.05	0.86	39.59	5.48	37.55	2.62	7.68
3.3	4.70	5.15	0.27	3.04	5.38	5.46	6.35	2.03	5.84	1.05	0.84	41.86	6.05	39.33	2.71	5.32
3.4	4.60	4.67	0.28	2.86	5.12	5.37	6.12	1.90	5.86	1.01	0.81	35.90	5.45	38.53	2.68	7.28
3.5	4.67	4.67	0.24	2.91	5.10	5.24	6.14	1.93	5.85	1.01	0.80	34.76	5.19	34.87	2.82	3.77
3.6	4.74	4.66	0.31	2.98	5.25	5.77	6.36	1.98	5.83	1.06	0.86	34.85	5.26	35.56	2.87	3.80
3.7	4.73	4.98	0.29	2.97	5.32	5.74	6.47	1.94	5.83	1.03	0.83	37.93	5.61	38.99	2.87	3.94
3.8	4.74	4.81	0.23	2.86	5.03	5.33	6.28	1.85	5.80	0.98	0.78	30.05	4.80	32.01	3.02	7.81
3.9	4.71	4.64	0.27	2.85	5.06	5.49	6.27	1.84	5.83	1.00	0.80	30.60	4.91	34.05	2.95	3.10
4	4.68	4.56	0.22	2.87	5.04	5.26	6.25	1.88	5.83	0.98	0.77	31.45	4.81	35.49	3.00	3.00
Mean	4.71	23.60	0.48	2.90	5.12	5.16	5.73	2.17	5.90	1.20	1.00	291.74	14.23	88.40	1.95	18.99

Table 7.7. Relative error of the inconsistency indexes for incomplete matrices ($g = 7\%$, $n = 8$)

d	CI	GCI	K	ML	ML^*	CM^*	PL	I_1	I_2	I_α	$I_{\alpha,\beta}$	HCI	GW	CM	I_{CD}	RE
1.1	9.67	811.78	2.06	4.22	7.47	7.32	7.48	4.06	12.23	2.72	2.54	8301.56	231.08	935.57	0.33	8.75
1.2	9.58	197.17	1.97	4.29	7.69	7.22	7.73	3.98	12.30	2.65	2.47	2497.86	104.89	461.83	0.62	12.16
1.3	9.49	98.92	1.80	4.33	7.61	6.91	7.68	3.90	12.27	2.54	2.34	1165.17	61.26	321.36	0.91	9.17
1.4	9.42	54.56	1.69	4.13	7.38	6.66	7.51	3.61	12.28	2.38	2.20	688.77	41.01	237.88	1.12	20.15
1.5	9.40	32.14	1.48	4.25	7.49	7.03	7.66	3.62	12.23	2.25	2.04	484.40	28.73	187.82	1.39	8.64
1.6	9.38	22.56	1.21	4.22	7.40	6.91	7.63	3.51	12.27	2.06	1.83	372.01	24.22	157.23	1.61	13.69
1.7	9.52	18.24	1.46	4.23	7.60	7.16	7.93	3.43	12.25	2.20	2.00	293.49	20.13	138.69	1.82	8.77
1.8	9.55	16.81	1.33	4.29	7.71	7.52	8.11	3.41	12.19	2.12	1.91	262.90	19.71	128.91	2.01	298.62
1.9	9.29	14.06	1.18	4.21	7.51	7.38	7.97	3.31	12.28	2.00	1.79	218.65	17.28	113.88	2.15	9.88
2	9.31	10.37	0.95	4.23	7.56	7.51	8.08	3.24	12.25	1.86	1.62	179.20	13.89	100.45	2.33	8.53
2.1	9.48	10.25	1.07	4.34	7.80	8.11	8.44	3.30	12.18	1.93	1.69	161.86	13.31	101.02	2.50	6.73
2.2	9.50	11.94	1.04	4.47	7.92	8.20	8.63	3.35	12.14	1.96	1.71	148.73	13.74	93.38	2.71	8.63
2.3	9.34	9.51	0.96	4.33	7.74	7.96	8.52	3.19	12.24	1.86	1.62	135.99	11.59	84.24	2.83	6.98
2.4	9.36	9.43	0.84	4.26	7.59	8.00	8.44	3.09	12.21	1.77	1.53	120.78	10.94	80.09	2.97	12.87
2.5	9.56	9.91	0.87	4.30	7.75	8.09	8.66	3.09	12.16	1.78	1.52	117.13	11.05	76.96	3.04	14.00
2.6	9.41	8.45	0.80	4.40	7.82	8.17	8.87	3.11	12.23	1.75	1.50	106.76	10.60	68.73	3.33	8.37
2.7	9.39	8.98	0.81	4.43	7.95	8.40	9.12	3.09	12.22	1.75	1.50	98.99	9.86	70.97	3.40	13.24
2.8	9.50	8.10	0.81	4.34	7.87	8.30	9.09	2.97	12.16	1.71	1.48	93.07	9.72	63.41	3.46	12.24
2.9	9.23	9.11	0.70	4.26	7.67	8.35	8.92	2.90	12.26	1.63	1.40	90.46	9.88	68.90	3.54	6.81
3	9.35	8.86	0.82	4.28	7.63	8.93	8.93	2.94	12.21	1.71	1.47	85.16	8.97	67.53	3.60	5.57
3.1	9.35	9.02	0.72	4.29	7.75	8.78	9.25	2.91	12.24	1.64	1.39	81.12	9.02	64.46	3.74	6.81
3.2	9.39	8.33	0.63	4.28	7.67	8.36	9.09	2.89	12.16	1.59	1.33	81.60	9.44	66.44	3.74	7.96
3.3	9.18	7.94	0.64	4.35	7.85	9.00	9.53	2.85	12.26	1.59	1.35	71.87	8.23	54.58	4.08	6.01
3.4	9.31	8.01	0.62	4.38	7.86	8.62	9.50	2.85	12.24	1.59	1.34	74.29	8.97	59.47	4.12	28.28
3.5	9.35	7.94	0.66	4.40	7.94	9.03	9.62	2.92	12.24	1.63	1.38	76.91	8.41	60.59	4.00	29.78
3.6	9.27	7.98	0.55	4.42	7.91	8.91	9.65	2.89	12.23	1.57	1.31	70.93	7.88	53.04	4.25	5.85
3.7	9.43	8.60	0.62	4.28	7.80	8.83	9.74	2.76	12.18	1.55	1.32	68.21	8.11	56.08	4.22	6.25
3.8	9.41	8.04	0.52	4.41	7.91	8.41	9.91	2.85	12.21	1.55	1.28	67.06	8.74	55.32	4.40	25.99
3.9	9.25	8.07	0.58	4.27	7.80	9.31	10.07	2.72	12.23	1.52	1.29	62.19	8.22	51.97	4.43	6.73
4	9.43	8.05	0.44	4.39	7.76	8.22	9.80	2.79	12.17	1.49	1.23	60.83	8.09	50.30	4.62	6.84
Mean	9.40	48.44	0.99	4.31	7.71	8.05	8.72	3.18	12.22	1.88	1.65	544.60	25.23	137.70	2.91	20.81

Table 7.8. Relative error of the inconsistency indexes for incomplete matrices ($g = 14\%$, $n = 8$)

d	CI	GCI	K	ML	ML^*	CM^*	PL	I_1	I_2	I_α	$I_{\alpha,\beta}$	HCI	GW	CM	I_{CD}	RE
1.1	18.84	1380.57	4.28	6.54	11.66	11.46	11.68	6.28	27.15	4.75	4.60	18281.62	423.39	1254.40	0.49	27.73
1.2	18.98	398.45	3.93	6.40	11.33	10.69	11.39	5.94	27.06	4.43	4.25	5007.59	197.12	625.02	0.93	19.70
1.3	19.02	156.69	3.83	6.59	11.71	10.74	11.83	5.93	27.02	4.34	4.14	2379.18	107.55	412.70	1.37	17.84
1.4	18.89	108.72	3.28	6.56	11.50	10.62	11.69	5.76	27.13	3.93	3.70	1471.17	82.98	317.21	1.77	90.33
1.5	19.28	64.65	3.39	6.64	11.76	10.83	12.04	5.66	26.85	4.06	3.82	983.28	62.14	243.64	2.15	41.41
1.6	18.72	61.81	3.12	6.67	11.82	11.39	12.21	5.55	27.18	3.80	3.57	724.48	50.25	218.60	2.49	4628.06
1.7	18.97	39.41	3.05	6.56	11.66	11.38	12.11	5.37	26.92	3.71	3.46	639.98	44.35	196.71	2.71	14.49
1.8	18.97	35.42	2.73	6.66	11.81	11.60	12.37	5.35	27.03	3.50	3.22	516.14	37.30	167.58	3.03	15.40
1.9	18.95	24.06	2.37	6.41	11.34	11.74	11.99	5.05	27.02	3.23	2.92	424.10	28.17	143.05	3.23	13.33
2	18.78	20.63	2.19	6.80	12.08	12.08	12.88	5.20	27.22	3.17	2.87	357.25	25.20	125.33	3.73	13.50
2.1	18.63	19.01	2.25	6.63	11.95	12.93	12.93	4.98	27.25	3.15	2.88	319.55	23.14	121.74	3.88	15.01
2.2	18.89	19.32	2.25	6.52	11.65	13.25	12.74	4.85	27.13	3.11	2.83	291.54	23.24	114.60	4.08	143.94
2.3	18.68	16.45	1.91	6.59	11.89	12.74	13.17	4.84	27.19	2.93	2.64	269.53	21.11	106.66	4.37	24.19
2.4	18.81	16.94	2.11	6.77	12.41	14.12	13.95	4.83	27.07	3.04	2.77	256.29	20.46	106.00	4.61	12.05
2.5	18.95	16.65	1.93	6.85	12.17	13.58	13.66	4.95	27.06	2.99	2.65	238.86	19.15	99.32	4.89	13.02
2.6	19.02	14.22	2.06	6.57	11.91	14.16	13.53	4.63	27.07	2.93	2.65	226.63	18.05	94.87	4.82	11.97
2.7	18.65	15.51	1.62	6.50	11.66	12.79	13.34	4.56	27.19	2.70	2.40	193.81	14.95	85.86	5.06	40.88
2.8	18.66	14.86	1.67	6.58	11.78	14.35	13.66	4.58	27.16	2.74	2.44	184.85	17.18	90.19	5.29	18.26
2.9	18.62	15.00	1.62	6.62	11.79	13.88	13.69	4.61	27.20	2.72	2.40	179.85	15.66	82.85	5.43	17.61
3	18.84	14.01	1.76	6.65	12.07	14.83	14.25	4.54	27.11	2.77	2.47	179.62	16.86	87.19	5.50	15.57
3.1	18.70	14.07	1.64	6.91	12.49	14.71	14.89	4.68	27.06	2.78	2.45	170.49	15.23	82.19	5.92	11.16
3.2	18.81	14.62	1.54	6.81	12.37	14.84	15.01	4.56	27.07	2.69	2.37	158.86	14.97	80.87	5.97	23.33
3.3	18.72	14.68	1.43	6.68	12.08	14.88	14.64	4.44	27.14	2.58	2.28	149.46	13.83	73.62	6.07	11.09
3.4	18.50	14.08	1.29	6.74	11.94	13.99	14.39	4.49	27.27	2.54	2.21	141.29	12.22	68.65	6.26	20.32
3.5	18.59	14.43	1.42	6.87	12.56	15.19	15.47	4.44	27.18	2.61	2.32	160.52	16.49	73.80	6.41	67.54
3.6	18.56	15.02	1.38	6.52	11.80	15.63	14.90	4.23	27.18	2.50	2.20	134.55	12.60	67.57	6.44	823.18
3.7	18.50	15.28	1.17	6.74	12.20	14.76	15.33	4.30	27.15	2.44	2.15	128.94	12.87	66.73	6.62	10.32
3.8	18.67	14.62	1.43	6.65	12.12	16.59	15.52	4.28	27.17	2.54	2.26	132.19	12.69	63.35	6.72	9.95
3.9	18.67	14.82	1.23	6.55	11.80	14.98	14.81	4.20	27.19	2.40	2.12	129.26	13.37	69.07	6.61	21.25
4	18.61	14.32	1.19	6.67	12.07	15.51	15.49	4.21	27.15	2.41	2.11	136.78	12.93	65.82	7.03	9.66
Mean	18.78	86.61	2.17	6.64	11.91	13.34	13.52	4.91	27.12	3.12	2.84	1152.26	46.18	180.17	4.46	206.74

Table 7.9. Relative error of the inconsistency indexes for incomplete matrices ($g = 25\%$, $n = 8$)

d	CI	GCI	K	ML	ML^*	CM^*	PL	I_1	I_2	I_α	$I_{\alpha,\beta}$	HCI	GW	CM	I_{CD}	RE
1.1	33.27	2167.62	8.67	9.71	17.41	17.10	17.44	9.32	56.51	8.09	7.90	30498.76	604.01	1247.76	0.76	59.04
1.2	33.27	649.17	8.25	9.71	17.24	16.38	17.32	9.02	56.44	7.72	7.52	8539.76	299.16	628.96	1.43	794.57
1.3	33.26	212.88	7.74	10.04	18.24	16.89	18.42	8.97	56.34	7.40	7.12	4148.45	172.49	421.48	2.10	28.68
1.4	33.19	166.47	7.55	10.07	18.03	16.75	18.33	8.77	56.54	7.19	6.95	2544.43	119.86	308.76	2.72	131.94
1.5	33.12	130.66	7.01	9.88	17.84	16.69	18.29	8.38	56.55	6.73	6.44	1823.16	103.38	283.57	3.22	20.99
1.6	33.20	75.84	5.65	9.53	16.80	15.99	17.34	7.92	56.46	5.79	5.37	1293.73	78.22	209.79	3.72	28.52
1.7	33.01	55.30	5.64	9.92	17.56	17.60	18.25	8.08	56.73	5.84	5.46	1104.57	66.51	197.72	4.24	29.86
1.8	33.20	44.52	5.90	10.20	18.06	18.73	18.99	8.18	56.52	6.02	5.60	845.18	53.71	165.62	4.75	50.15
1.9	33.15	42.69	5.41	10.21	18.05	19.58	19.11	8.06	56.85	5.73	5.32	768.16	52.11	156.24	5.08	39.16
2	33.18	34.28	5.03	10.30	18.10	19.96	19.35	8.01	56.50	5.51	5.04	657.35	46.29	148.38	5.66	23.20
2.1	33.09	27.50	4.68	10.01	17.99	19.87	19.44	7.57	56.70	5.17	4.73	570.70	34.91	124.02	5.85	27.49
2.2	32.86	32.53	4.86	10.12	18.15	22.17	19.82	7.62	56.62	5.31	4.87	558.36	38.91	128.88	6.14	33.05
2.3	32.84	26.90	4.39	9.93	17.98	21.79	19.88	7.29	56.83	4.94	4.53	468.42	28.83	113.01	6.46	26.21
2.4	32.93	23.92	4.22	10.04	18.11	21.94	20.17	7.24	56.65	4.88	4.46	419.07	26.49	99.90	6.89	22.87
2.5	32.91	25.93	4.11	10.17	18.36	22.37	20.60	7.35	56.88	4.82	4.35	428.38	29.51	105.28	7.05	27.89
2.6	32.68	24.02	3.66	10.13	18.03	22.31	20.42	7.23	56.85	4.59	4.13	369.51	24.26	92.09	7.62	20.82
2.7	32.74	22.22	3.88	10.15	18.46	24.25	21.27	7.10	56.76	4.66	4.24	376.84	25.41	89.60	7.77	19.97
2.8	32.83	25.80	3.35	10.02	18.11	23.32	21.03	6.90	56.74	4.34	3.92	320.58	23.44	84.54	8.19	34.79
2.9	32.90	26.06	3.36	10.17	18.22	22.76	21.26	7.04	56.68	4.41	3.97	322.41	23.65	82.54	8.41	23.35
3	32.73	22.71	3.53	10.15	18.37	25.50	21.76	6.95	56.93	4.42	4.00	316.64	23.28	81.53	8.57	51.59
3.1	32.70	22.83	3.37	10.31	18.79	26.29	22.63	6.97	56.94	4.36	3.96	277.07	18.93	78.67	8.83	21.01
3.2	32.81	25.28	2.98	9.67	17.61	23.63	21.14	6.40	56.73	3.99	3.60	289.73	21.16	73.85	8.77	81.84
3.3	32.52	23.47	3.14	10.03	18.26	26.85	22.34	6.63	56.84	4.15	3.76	275.93	21.01	73.26	9.27	18.33
3.4	32.76	23.00	2.93	10.30	18.36	23.86	22.10	6.85	56.77	4.14	3.69	281.40	21.62	73.42	9.55	45.23
3.5	32.59	22.48	2.77	10.14	18.32	24.94	22.53	6.58	56.81	4.02	3.64	229.94	17.78	68.71	9.85	45.66
3.6	32.53	22.82	2.93	10.31	18.58	26.83	23.22	6.76	56.92	4.11	3.69	240.21	19.85	72.18	9.97	245.59
3.7	32.88	23.70	2.94	10.14	18.33	26.10	22.71	6.61	56.69	4.05	3.61	259.62	20.48	73.83	9.76	21.03
3.8	32.44	23.53	2.70	10.04	18.28	27.16	23.33	6.49	56.92	3.89	3.51	225.57	17.45	70.25	10.14	24.43
3.9	32.53	23.15	2.65	10.21	18.76	27.22	24.34	6.40	56.73	3.91	3.57	207.91	15.69	60.67	10.79	53.52
4	32.72	23.19	2.41	9.80	17.97	26.19	23.48	6.09	56.93	3.65	3.39	205.72	16.44	61.58	10.65	18.78
Mean	32.89	135.68	4.52	10.05	18.08	22.03	20.54	7.43	56.71	5.13	4.74	1962.25	68.83	182.54	6.81	68.98

Table 7.10. Relative error of the inconsistency indexes for incomplete matrices ($g50\%$, $n = 8$)

d	CI	GCI	K	ML	ML^*	CM^*	PL	I_1	I_2	I_α	$I_{\alpha,\beta}$	HCI	GW	CM	I_{CD}	RE
1.1	66.41	3459.50	28.33	23.01	40.38	40.17	40.43	22.17	198.55	22.19	21.05	63595.48	875.15	1211.81	1.74	2221.06
1.2	66.64	715.61	26.16	22.74	39.53	38.82	39.70	21.16	198.17	20.54	19.10	16658.61	387.34	540.93	3.38	349.52
1.3	66.19	484.69	24.60	23.36	40.67	40.44	41.02	21.17	200.79	19.46	18.04	8496.43	263.28	392.05	4.82	24369.42
1.4	66.14	190.89	24.38	23.50	41.07	41.49	41.71	20.64	199.71	19.22	17.79	4880.98	182.64	259.06	6.38	122.45
1.5	66.14	155.90	21.81	22.89	39.69	40.93	40.51	19.67	200.66	17.47	15.93	3513.29	153.91	236.75	7.47	59.39
1.6	65.99	105.85	21.40	23.03	40.27	43.82	41.42	19.38	201.66	17.10	15.71	2911.88	126.20	188.38	8.57	124.05
1.7	66.06	72.21	20.50	23.15	40.28	45.34	41.76	19.16	201.43	16.43	14.92	2244.14	93.15	161.32	9.79	64.62
1.8	66.24	62.37	19.31	23.58	41.02	46.88	42.79	19.14	200.73	16.04	14.67	1901.92	86.39	142.64	10.94	444.64
1.9	66.01	48.99	18.17	23.27	40.68	49.23	42.87	18.38	202.36	15.07	13.72	1379.53	59.25	114.90	12.15	69.81
2	65.61	46.57	18.33	23.16	40.85	54.81	43.59	18.04	202.25	14.96	13.67	1378.27	66.18	111.27	12.87	64.09
2.1	65.51	42.07	16.63	22.91	39.91	53.98	42.84	17.56	202.13	13.85	12.59	1067.25	44.77	83.77	14.10	541.54
2.2	65.71	44.16	17.47	23.26	41.34	59.64	44.83	17.62	201.57	14.38	12.98	1088.77	55.68	90.26	14.48	300.82
2.3	65.83	41.33	16.30	23.20	40.92	58.02	44.67	17.27	202.54	13.79	12.57	933.69	42.59	70.52	15.47	54.69
2.4	65.62	44.33	16.02	22.86	40.62	61.17	44.86	16.70	201.76	13.45	12.21	854.56	42.40	75.01	16.22	56.44
2.5	65.57	47.06	15.04	22.77	40.32	61.48	44.88	16.59	203.17	12.93	11.77	774.53	37.79	70.01	16.79	1568.24
2.6	65.56	41.99	15.06	22.71	40.31	67.77	45.36	16.33	202.99	12.66	11.53	727.96	37.29	60.98	17.64	188.26
2.7	65.45	43.96	14.39	23.27	41.41	65.17	46.93	16.39	202.03	12.73	11.78	690.68	34.14	57.03	18.77	187.99
2.8	65.35	42.68	13.56	22.63	39.94	65.21	45.58	15.98	202.84	12.09	11.16	658.93	30.21	56.54	19.00	96.28
2.9	65.31	44.53	13.31	22.93	40.56	65.58	46.51	16.13	203.08	12.00	11.21	664.78	31.78	58.97	19.26	61.66
3	65.74	45.70	13.58	23.00	40.72	74.57	47.58	15.79	202.00	11.93	10.95	565.20	28.56	46.21	20.74	115.46
3.1	64.98	46.49	12.84	23.23	41.29	72.81	48.41	15.82	203.41	11.61	10.89	525.88	26.67	44.18	21.24	46.30
3.2	65.29	44.01	12.88	23.16	41.12	73.24	48.31	15.74	202.96	11.63	10.87	584.43	31.00	48.41	21.23	63.50
3.3	65.14	46.51	12.56	23.28	41.16	73.35	48.92	15.87	202.31	11.62	10.85	525.88	27.16	47.39	21.83	76.93
3.4	64.86	45.09	12.20	23.50	41.47	74.82	49.64	16.01	203.50	11.53	10.90	509.05	26.83	46.15	22.89	103.52
3.5	64.86	46.55	11.69	23.07	41.16	76.65	49.77	15.38	204.28	11.06	10.52	486.57	28.32	43.32	23.11	41.02
3.6	65.01	46.27	11.53	23.43	41.41	75.09	49.86	15.39	202.38	10.99	10.56	479.88	24.30	40.17	23.88	76.49
3.7	64.92	46.55	11.45	22.96	41.62	76.39	50.99	14.93	204.16	10.82	10.39	444.54	25.48	43.28	23.85	40.94
3.8	64.97	46.89	11.23	22.87	41.11	80.28	51.08	14.85	204.24	10.63	10.17	433.63	24.82	41.99	24.45	80.16
3.9	64.89	45.54	11.01	23.15	41.60	78.85	51.83	14.95	205.38	10.55	10.27	460.03	28.97	41.15	24.92	59.32
4	64.84	45.45	10.62	22.92	40.69	78.74	50.59	14.85	204.96	10.44	10.28	430.62	24.92	37.79	25.27	60.07
Mean	65.56	207.99	16.41	23.09	40.77	61.16	45.64	17.30	202.27	13.97	12.97	3995.58	98.24	148.74	16.11	1056.96

