

Obs	N	TS	z	d	i	x1	x2	phi	PHIZC
1	1000	1	0.39464	0	1	1	1	1.00000	.
2	1000	1	0.58499	0	2	1	1	1.00000	.
3	1000	1	0.74274	0	3	1	1	1.00000	.
4	1000	1	0.47690	0	4	1	1	1.00000	.
5	1000	1	-1.03727	1	5	1	0	1.00000	.
6	1000	1	-1.22015	1	6	0	0	1.00000	.
7	1000	1	-1.20272	1	7	0	0	1.00000	.
8	1000	1	-0.22173	1	8	0	0	1.00000	.
9	1000	1	0.03274	2	9	0	1	0.99998	.
10	1000	1	-0.48561	3	10	1	0	0.99996	.
11	1000	1	0.09876	4	11	0	1	0.99992	.
12	1000	1	0.51266	4	12	1	1	0.99992	.
13	1000	1	1.69048	4	13	1	1	0.99992	.
14	1000	1	2.21247	4	14	1	1	0.99992	.
15	1000	1	0.32054	4	15	1	1	0.99992	.
16	1000	1	-1.80625	5	16	1	0	0.99988	.
17	1000	1	-2.59081	5	17	0	0	0.99988	.
18	1000	1	-0.29796	5	18	0	0	0.99988	.
19	1000	1	-0.51206	5	19	0	0	0.99988	.
20	1000	1	-0.07742	5	20	0	0	0.99988	.
21	1000	1	1.48779	6	21	0	1	0.99982	.
22	1000	1	-0.91912	7	22	1	0	0.99976	.
23	1000	1	0.79896	8	23	0	1	0.99968	.
24	1000	1	2.02073	8	24	1	1	0.99968	.
25	1000	1	2.64001	8	25	1	1	0.99968	.
26	1000	1	1.15447	8	26	1	1	0.99968	.
27	1000	1	1.34146	8	27	1	1	0.99968	.
28	1000	1	-0.41691	9	28	1	0	0.99960	.
29	1000	1	0.99352	10	29	0	1	0.99951	.
30	1000	1	-0.47929	11	30	1	0	0.99940	.
31	1000	1	-1.13727	11	31	0	0	0.99940	.
32	1000	1	1.00434	12	32	0	1	0.99929	.
33	1000	1	1.58003	12	33	1	1	0.99929	.
34	1000	1	2.22589	12	34	1	1	0.99929	.
35	1000	1	1.90071	12	35	1	1	0.99929	.
36	1000	1	1.35405	12	36	1	1	0.99929	.
37	1000	1	0.74676	12	37	1	1	0.99929	.
38	1000	1	1.74968	12	38	1	1	0.99929	.
39	1000	1	2.85346	12	39	1	1	0.99929	.
40	1000	1	2.57119	12	40	1	1	0.99929	.
41	1000	1	3.65281	12	41	1	1	0.99929	.
42	1000	1	4.31072	12	42	1	1	0.99929	.
43	1000	1	2.89599	12	43	1	1	0.99929	.
44	1000	1	1.25680	12	44	1	1	0.99929	.
45	1000	1	-0.04554	13	45	1	0	0.99916	.
46	1000	1	1.14058	14	46	0	1	0.99903	.
47	1000	1	0.86020	14	47	1	1	0.99903	.
48	1000	1	0.26403	14	48	1	1	0.99903	.

Obs	N	TS	z	d	i	x1	x2	phi	PHIZC
49	1000	1	0.17926	14	49	1	1	0.99903	.
50	1000	1	0.61259	14	50	1	1	0.99903	.
51	1000	1	1.12859	14	51	1	1	0.99903	.
52	1000	1	2.26926	14	52	1	1	0.99903	.
53	1000	1	2.17746	14	53	1	1	0.99903	.
54	1000	1	0.91948	14	54	1	1	0.99903	.
55	1000	1	0.57923	14	55	1	1	0.99903	.
56	1000	1	0.76944	14	56	1	1	0.99903	.
57	1000	1	-0.38270	15	57	1	0	0.99889	.
58	1000	1	0.01741	16	58	0	1	0.99873	.
59	1000	1	-0.00121	17	59	1	0	0.99857	.
60	1000	1	1.11160	18	60	0	1	0.99840	.
61	1000	1	0.25750	18	61	1	1	0.99840	.
62	1000	1	1.95861	18	62	1	1	0.99840	.
63	1000	1	0.86583	18	63	1	1	0.99840	.
64	1000	1	1.74110	18	64	1	1	0.99840	.
65	1000	1	0.63639	18	65	1	1	0.99840	.
66	1000	1	0.95284	18	66	1	1	0.99840	.
67	1000	1	1.14801	18	67	1	1	0.99840	.
68	1000	1	-0.58438	19	68	1	0	0.99822	.
69	1000	1	-1.12886	19	69	0	0	0.99822	.
70	1000	1	-2.30139	19	70	0	0	0.99822	.
71	1000	1	-1.98843	19	71	0	0	0.99822	.
72	1000	1	-2.48167	19	72	0	0	0.99822	.
73	1000	1	-4.00007	19	73	0	0	0.99822	.
74	1000	1	-2.91011	19	74	0	0	0.99822	.
75	1000	1	-1.85940	19	75	0	0	0.99822	.
76	1000	1	-2.84656	19	76	0	0	0.99822	.
77	1000	1	-1.19410	19	77	0	0	0.99822	.
78	1000	1	-1.92100	19	78	0	0	0.99822	.
79	1000	1	-1.92913	19	79	0	0	0.99822	.
80	1000	1	-2.28102	19	80	0	0	0.99822	.
81	1000	1	-3.83616	19	81	0	0	0.99822	.
82	1000	1	-3.19034	19	82	0	0	0.99822	.
83	1000	1	-1.33537	19	83	0	0	0.99822	.
84	1000	1	-0.85922	19	84	0	0	0.99822	.
85	1000	1	-0.97949	19	85	0	0	0.99822	.
86	1000	1	-1.01296	19	86	0	0	0.99822	.
87	1000	1	0.57382	20	87	0	1	0.99802	.
88	1000	1	1.51856	20	88	1	1	0.99802	.
89	1000	1	2.25874	20	89	1	1	0.99802	.
90	1000	1	1.89755	20	90	1	1	0.99802	.
91	1000	1	1.62226	20	91	1	1	0.99802	.
92	1000	1	0.38381	20	92	1	1	0.99802	.
93	1000	1	-0.57698	21	93	1	0	0.99782	.
94	1000	1	-0.74987	21	94	0	0	0.99782	.
95	1000	1	-0.55217	21	95	0	0	0.99782	.
96	1000	1	0.04938	22	96	0	1	0.99761	.
97	1000	1	-1.08687	23	97	1	0	0.99739	.

Obs	N	TS	z	d	i	x1	x2	phi	PHIZC
98	1000	1	-0.57922	23	98	0	0	0.99739	.
99	1000	1	0.03328	24	99	0	1	0.99715	.
100	1000	1	-0.17443	25	100	1	0	0.99691	.
101	1000	1	-0.44075	25	101	0	0	0.99691	.
102	1000	1	0.07270	26	102	0	1	0.99666	.
103	1000	1	1.09750	26	103	1	1	0.99666	.
104	1000	1	1.70947	26	104	1	1	0.99666	.
105	1000	1	1.72971	26	105	1	1	0.99666	.
106	1000	1	1.64743	26	106	1	1	0.99666	.
107	1000	1	-0.18701	27	107	1	0	0.99640	.
108	1000	1	-0.00363	27	108	0	0	0.99640	.
109	1000	1	-1.97607	27	109	0	0	0.99640	.
110	1000	1	-1.64756	27	110	0	0	0.99640	.
111	1000	1	-0.67287	27	111	0	0	0.99640	.
112	1000	1	0.59492	28	112	0	1	0.99613	.
113	1000	1	-0.36327	29	113	1	0	0.99584	.
114	1000	1	1.85341	30	114	0	1	0.99555	.
115	1000	1	1.32483	30	115	1	1	0.99555	.
116	1000	1	-0.16115	31	116	1	0	0.99525	.
117	1000	1	-0.13120	31	117	0	0	0.99525	.
118	1000	1	0.65147	32	118	0	1	0.99494	.
119	1000	1	1.41391	32	119	1	1	0.99494	.
120	1000	1	1.57069	32	120	1	1	0.99494	.
121	1000	1	-0.15631	33	121	1	0	0.99462	.
122	1000	1	-0.95299	33	122	0	0	0.99462	.
123	1000	1	-1.16839	33	123	0	0	0.99462	.
124	1000	1	-0.09320	33	124	0	0	0.99462	.
125	1000	1	0.42084	34	125	0	1	0.99429	.
126	1000	1	1.21486	34	126	1	1	0.99429	.
127	1000	1	1.82901	34	127	1	1	0.99429	.
128	1000	1	1.17140	34	128	1	1	0.99429	.
129	1000	1	2.07835	34	129	1	1	0.99429	.
130	1000	1	2.95340	34	130	1	1	0.99429	.
131	1000	1	-0.45071	35	131	1	0	0.99395	.
132	1000	1	-1.21805	35	132	0	0	0.99395	.
133	1000	1	-1.41712	35	133	0	0	0.99395	.
134	1000	1	-0.00125	35	134	0	0	0.99395	.
135	1000	1	-0.78002	35	135	0	0	0.99395	.
136	1000	1	-0.89774	35	136	0	0	0.99395	.
137	1000	1	-1.66608	35	137	0	0	0.99395	.
138	1000	1	-2.22497	35	138	0	0	0.99395	.
139	1000	1	-2.50074	35	139	0	0	0.99395	.
140	1000	1	-2.26958	35	140	0	0	0.99395	.
141	1000	1	-1.23666	35	141	0	0	0.99395	.
142	1000	1	-3.43930	35	142	0	0	0.99395	.
143	1000	1	-3.89138	35	143	0	0	0.99395	.
144	1000	1	-3.46336	35	144	0	0	0.99395	.
145	1000	1	-0.92367	35	145	0	0	0.99395	.
146	1000	1	-0.50148	35	146	0	0	0.99395	.

Obs	N	TS	z	d	i	x1	x2	phi	PHIZC
147	1000	1	-0.70709	35	147	0	0	0.99395	.
148	1000	1	-1.22092	35	148	0	0	0.99395	.
149	1000	1	-2.02790	35	149	0	0	0.99395	.
150	1000	1	-2.62616	35	150	0	0	0.99395	.
151	1000	1	-2.31600	35	151	0	0	0.99395	.
152	1000	1	-2.20798	35	152	0	0	0.99395	.
153	1000	1	-2.90010	35	153	0	0	0.99395	.
154	1000	1	-3.30511	35	154	0	0	0.99395	.
155	1000	1	-2.72188	35	155	0	0	0.99395	.
156	1000	1	-2.92526	35	156	0	0	0.99395	.
157	1000	1	-4.29041	35	157	0	0	0.99395	.
158	1000	1	-5.86653	35	158	0	0	0.99395	.
159	1000	1	-5.30301	35	159	0	0	0.99395	.
160	1000	1	-3.51326	35	160	0	0	0.99395	.
161	1000	1	-0.11640	35	161	0	0	0.99395	.
162	1000	1	0.71423	36	162	0	1	0.99360	.
163	1000	1	1.73071	36	163	1	1	0.99360	.
164	1000	1	0.47309	36	164	1	1	0.99360	.
165	1000	1	1.30095	36	165	1	1	0.99360	.
166	1000	1	-1.28963	37	166	1	0	0.99324	.
167	1000	1	0.20588	38	167	0	1	0.99287	.
168	1000	1	0.97215	38	168	1	1	0.99287	.
169	1000	1	1.43076	38	169	1	1	0.99287	.
170	1000	1	-0.07433	39	170	1	0	0.99249	.
171	1000	1	-0.72795	39	171	0	0	0.99249	.
172	1000	1	0.10943	40	172	0	1	0.99210	.
173	1000	1	-0.44793	41	173	1	0	0.99170	.
174	1000	1	0.53613	42	174	0	1	0.99129	.
175	1000	1	0.73167	42	175	1	1	0.99129	.
176	1000	1	2.42592	42	176	1	1	0.99129	.
177	1000	1	2.74899	42	177	1	1	0.99129	.
178	1000	1	2.24173	42	178	1	1	0.99129	.
179	1000	1	3.12727	42	179	1	1	0.99129	.
180	1000	1	1.26729	42	180	1	1	0.99129	.
181	1000	1	1.40903	42	181	1	1	0.99129	.
182	1000	1	1.71193	42	182	1	1	0.99129	.
183	1000	1	1.42442	42	183	1	1	0.99129	.
184	1000	1	3.49426	42	184	1	1	0.99129	.
185	1000	1	1.12207	42	185	1	1	0.99129	.
186	1000	1	0.65622	42	186	1	1	0.99129	.
187	1000	1	2.31543	42	187	1	1	0.99129	.
188	1000	1	2.62795	42	188	1	1	0.99129	.
189	1000	1	1.43546	42	189	1	1	0.99129	.
190	1000	1	-0.45966	43	190	1	0	0.99087	.
191	1000	1	-1.81600	43	191	0	0	0.99087	.
192	1000	1	-0.45415	43	192	0	0	0.99087	.
193	1000	1	-1.43335	43	193	0	0	0.99087	.
194	1000	1	-0.48130	43	194	0	0	0.99087	.
195	1000	1	-1.33211	43	195	0	0	0.99087	.

Obs	N	TS	z	d	i	x1	x2	phi	PHIZC
196	1000	1	-2.70773	43	196	0	0	0.99087	.
197	1000	1	-1.32872	43	197	0	0	0.99087	.
198	1000	1	-1.78596	43	198	0	0	0.99087	.
199	1000	1	-3.20076	43	199	0	0	0.99087	.
200	1000	1	-2.20239	43	200	0	0	0.99087	.
201	1000	1	-1.36529	43	201	0	0	0.99087	.
202	1000	1	1.26759	44	202	0	1	0.99044	.
203	1000	1	1.95103	44	203	1	1	0.99044	.
204	1000	1	0.56510	44	204	1	1	0.99044	.
205	1000	1	0.86816	44	205	1	1	0.99044	.
206	1000	1	1.22934	44	206	1	1	0.99044	.
207	1000	1	0.42670	44	207	1	1	0.99044	.
208	1000	1	-2.33076	45	208	1	0	0.99000	.
209	1000	1	-2.56255	45	209	0	0	0.99000	.
210	1000	1	-3.66849	45	210	0	0	0.99000	.
211	1000	1	-3.89047	45	211	0	0	0.99000	.
212	1000	1	-3.14715	45	212	0	0	0.99000	.
213	1000	1	-0.53711	45	213	0	0	0.99000	.
214	1000	1	-0.06031	45	214	0	0	0.99000	.
215	1000	1	-0.00144	45	215	0	0	0.99000	.
216	1000	1	0.08057	46	216	0	1	0.98956	.
217	1000	1	-0.31862	47	217	1	0	0.98910	.
218	1000	1	-0.48784	47	218	0	0	0.98910	.
219	1000	1	-0.19775	47	219	0	0	0.98910	.
220	1000	1	-0.71362	47	220	0	0	0.98910	.
221	1000	1	-0.35314	47	221	0	0	0.98910	.
222	1000	1	0.09946	48	222	0	1	0.98863	.
223	1000	1	0.35628	48	223	1	1	0.98863	.
224	1000	1	0.15053	48	224	1	1	0.98863	.
225	1000	1	2.70586	48	225	1	1	0.98863	.
226	1000	1	0.53311	48	226	1	1	0.98863	.
227	1000	1	1.28968	48	227	1	1	0.98863	.
228	1000	1	0.51905	48	228	1	1	0.98863	.
229	1000	1	0.95023	48	229	1	1	0.98863	.
230	1000	1	3.01808	48	230	1	1	0.98863	.
231	1000	1	2.16028	48	231	1	1	0.98863	.
232	1000	1	1.43323	48	232	1	1	0.98863	.
233	1000	1	1.18371	48	233	1	1	0.98863	.
234	1000	1	0.28754	48	234	1	1	0.98863	.
235	1000	1	0.22088	48	235	1	1	0.98863	.
236	1000	1	-0.73581	49	236	1	0	0.98815	.
237	1000	1	1.17651	50	237	0	1	0.98766	.
238	1000	1	-0.09219	51	238	1	0	0.98717	.
239	1000	1	-0.46319	51	239	0	0	0.98717	.
240	1000	1	0.33882	52	240	0	1	0.98666	.
241	1000	1	-0.91025	53	241	1	0	0.98614	.
242	1000	1	-0.88013	53	242	0	0	0.98614	.
243	1000	1	-2.41510	53	243	0	0	0.98614	.
244	1000	1	-3.03577	53	244	0	0	0.98614	.

Obs	N	TS	z	d	i	x1	x2	phi	PHIZC
245	1000	1	-1.61707	53	245	0	0	0.98614	.
246	1000	1	-0.18295	53	246	0	0	0.98614	.
247	1000	1	0.36158	54	247	0	1	0.98562	.
248	1000	1	0.24316	54	248	1	1	0.98562	.
249	1000	1	0.90579	54	249	1	1	0.98562	.
250	1000	1	0.81872	54	250	1	1	0.98562	.
251	1000	1	0.24143	54	251	1	1	0.98562	.
252	1000	1	-0.73738	55	252	1	0	0.98508	.
253	1000	1	-2.32375	55	253	0	0	0.98508	.
254	1000	1	-2.77487	55	254	0	0	0.98508	.
255	1000	1	-1.55969	55	255	0	0	0.98508	.
256	1000	1	-2.00375	55	256	0	0	0.98508	.
257	1000	1	-1.41169	55	257	0	0	0.98508	.
258	1000	1	-1.20156	55	258	0	0	0.98508	.
259	1000	1	-1.49096	55	259	0	0	0.98508	.
260	1000	1	0.87417	56	260	0	1	0.98453	.
261	1000	1	2.23918	56	261	1	1	0.98453	.
262	1000	1	1.15486	56	262	1	1	0.98453	.
263	1000	1	1.83875	56	263	1	1	0.98453	.
264	1000	1	0.45623	56	264	1	1	0.98453	.
265	1000	1	1.77611	56	265	1	1	0.98453	.
266	1000	1	1.18679	56	266	1	1	0.98453	.
267	1000	1	-0.49187	57	267	1	0	0.98398	.
268	1000	1	0.42975	58	268	0	1	0.98341	.
269	1000	1	0.48796	58	269	1	1	0.98341	.
270	1000	1	0.82009	58	270	1	1	0.98341	.
271	1000	1	2.80016	58	271	1	1	0.98341	.
272	1000	1	3.56600	58	272	1	1	0.98341	.
273	1000	1	2.11361	58	273	1	1	0.98341	.
274	1000	1	2.00408	58	274	1	1	0.98341	.
275	1000	1	1.12763	58	275	1	1	0.98341	.
276	1000	1	1.46455	58	276	1	1	0.98341	.
277	1000	1	0.47678	58	277	1	1	0.98341	.
278	1000	1	0.22486	58	278	1	1	0.98341	.
279	1000	1	0.08502	58	279	1	1	0.98341	.
280	1000	1	0.74357	58	280	1	1	0.98341	.
281	1000	1	1.31542	58	281	1	1	0.98341	.
282	1000	1	0.86848	58	282	1	1	0.98341	.
283	1000	1	0.82477	58	283	1	1	0.98341	.
284	1000	1	1.25643	58	284	1	1	0.98341	.
285	1000	1	0.18701	58	285	1	1	0.98341	.
286	1000	1	1.07826	58	286	1	1	0.98341	.
287	1000	1	0.94588	58	287	1	1	0.98341	.
288	1000	1	0.40623	58	288	1	1	0.98341	.
289	1000	1	-0.40867	59	289	1	0	0.98284	.
290	1000	1	-0.96989	59	290	0	0	0.98284	.
291	1000	1	-1.94843	59	291	0	0	0.98284	.
292	1000	1	0.70124	60	292	0	1	0.98225	.
293	1000	1	1.89732	60	293	1	1	0.98225	.

Obs	N	TS	z	d	i	x1	x2	phi	PHIZC
294	1000	1	1.43613	60	294	1	1	0.98225	.
295	1000	1	-0.49271	61	295	1	0	0.98166	.
296	1000	1	-2.43302	61	296	0	0	0.98166	.
297	1000	1	-1.55429	61	297	0	0	0.98166	.
298	1000	1	-1.34478	61	298	0	0	0.98166	.
299	1000	1	-0.42286	61	299	0	0	0.98166	.
300	1000	1	-1.09513	61	300	0	0	0.98166	.
301	1000	1	-1.11411	61	301	0	0	0.98166	.
302	1000	1	-2.97157	61	302	0	0	0.98166	.
303	1000	1	-2.19581	61	303	0	0	0.98166	.
304	1000	1	-1.18155	61	304	0	0	0.98166	.
305	1000	1	-1.18256	61	305	0	0	0.98166	.
306	1000	1	-2.18234	61	306	0	0	0.98166	.
307	1000	1	-2.48025	61	307	0	0	0.98166	.
308	1000	1	-3.22687	61	308	0	0	0.98166	.
309	1000	1	-4.71249	61	309	0	0	0.98166	.
310	1000	1	-2.41424	61	310	0	0	0.98166	.
311	1000	1	-2.21322	61	311	0	0	0.98166	.
312	1000	1	-1.87370	61	312	0	0	0.98166	.
313	1000	1	-0.46492	61	313	0	0	0.98166	.
314	1000	1	-0.42113	61	314	0	0	0.98166	.
315	1000	1	0.04302	62	315	0	1	0.98105	.
316	1000	1	-0.35862	63	316	1	0	0.98044	.
317	1000	1	0.54887	64	317	0	1	0.97981	.
318	1000	1	0.31459	64	318	1	1	0.97981	.
319	1000	1	0.24918	64	319	1	1	0.97981	.
320	1000	1	2.15479	64	320	1	1	0.97981	.
321	1000	1	1.07943	64	321	1	1	0.97981	.
322	1000	1	-0.21884	65	322	1	0	0.97918	.
323	1000	1	-0.14304	65	323	0	0	0.97918	.
324	1000	1	-0.36996	65	324	0	0	0.97918	.
325	1000	1	0.10063	66	325	0	1	0.97854	.
326	1000	1	-0.73858	67	326	1	0	0.97789	.
327	1000	1	-0.87227	67	327	0	0	0.97789	.
328	1000	1	-0.25859	67	328	0	0	0.97789	.
329	1000	1	0.55741	68	329	0	1	0.97722	.
330	1000	1	0.92015	68	330	1	1	0.97722	.
331	1000	1	-0.87238	69	331	1	0	0.97655	.
332	1000	1	-0.43407	69	332	0	0	0.97655	.
333	1000	1	0.10949	70	333	0	1	0.97587	.
334	1000	1	0.11294	70	334	1	1	0.97587	.
335	1000	1	0.09929	70	335	1	1	0.97587	.
336	1000	1	0.96988	70	336	1	1	0.97587	.
337	1000	1	1.76689	70	337	1	1	0.97587	.
338	1000	1	1.89028	70	338	1	1	0.97587	.
339	1000	1	-0.17073	71	339	1	0	0.97518	.
340	1000	1	-0.17102	71	340	0	0	0.97518	.
341	1000	1	0.02789	72	341	0	1	0.97448	.
342	1000	1	-0.62777	73	342	1	0	0.97377	.

Obs	N	TS	z	d	i	x1	x2	phi	PHIZC
343	1000	1	-0.06731	73	343	0	0	0.97377	.
344	1000	1	-1.54873	73	344	0	0	0.97377	.
345	1000	1	-1.48795	73	345	0	0	0.97377	.
346	1000	1	-1.77533	73	346	0	0	0.97377	.
347	1000	1	-1.42540	73	347	0	0	0.97377	.
348	1000	1	-1.42791	73	348	0	0	0.97377	.
349	1000	1	-2.24490	73	349	0	0	0.97377	.
350	1000	1	-1.96162	73	350	0	0	0.97377	.
351	1000	1	0.00335	74	351	0	1	0.97304	.
352	1000	1	0.83158	74	352	1	1	0.97304	.
353	1000	1	1.66291	74	353	1	1	0.97304	.
354	1000	1	0.94538	74	354	1	1	0.97304	.
355	1000	1	0.32754	74	355	1	1	0.97304	.
356	1000	1	0.19433	74	356	1	1	0.97304	.
357	1000	1	1.46101	74	357	1	1	0.97304	.
358	1000	1	1.25106	74	358	1	1	0.97304	.
359	1000	1	0.13484	74	359	1	1	0.97304	.
360	1000	1	-0.10053	75	360	1	0	0.97231	.
361	1000	1	-0.40961	75	361	0	0	0.97231	.
362	1000	1	-1.24799	75	362	0	0	0.97231	.
363	1000	1	-0.67472	75	363	0	0	0.97231	.
364	1000	1	0.03750	76	364	0	1	0.97158	.
365	1000	1	1.69512	76	365	1	1	0.97158	.
366	1000	1	0.56170	76	366	1	1	0.97158	.
367	1000	1	1.06028	76	367	1	1	0.97158	.
368	1000	1	2.32410	76	368	1	1	0.97158	.
369	1000	1	1.65689	76	369	1	1	0.97158	.
370	1000	1	1.05506	76	370	1	1	0.97158	.
371	1000	1	0.14209	76	371	1	1	0.97158	.
372	1000	1	0.02502	76	372	1	1	0.97158	.
373	1000	1	1.50124	76	373	1	1	0.97158	.
374	1000	1	1.37227	76	374	1	1	0.97158	.
375	1000	1	-0.55527	77	375	1	0	0.97083	.
376	1000	1	-1.46613	77	376	0	0	0.97083	.
377	1000	1	-1.52736	77	377	0	0	0.97083	.
378	1000	1	-2.73482	77	378	0	0	0.97083	.
379	1000	1	-1.71707	77	379	0	0	0.97083	.
380	1000	1	-0.72503	77	380	0	0	0.97083	.
381	1000	1	-1.22896	77	381	0	0	0.97083	.
382	1000	1	-1.92044	77	382	0	0	0.97083	.
383	1000	1	-0.58669	77	383	0	0	0.97083	.
384	1000	1	-1.46831	77	384	0	0	0.97083	.
385	1000	1	-0.83809	77	385	0	0	0.97083	.
386	1000	1	-0.11368	77	386	0	0	0.97083	.
387	1000	1	0.76849	78	387	0	1	0.97007	.
388	1000	1	-0.46559	79	388	1	0	0.96930	.
389	1000	1	0.10111	80	389	0	1	0.96852	.
390	1000	1	-0.23603	81	390	1	0	0.96773	.
391	1000	1	-0.51693	81	391	0	0	0.96773	.



Obs	N	TS	z	d	i	x1	x2	phi	PHIZC
392	1000	1	-0.98852	81	392	0	0	0.96773	.
393	1000	1	-1.90631	81	393	0	0	0.96773	.
394	1000	1	-1.29250	81	394	0	0	0.96773	.
395	1000	1	-1.44979	81	395	0	0	0.96773	.
396	1000	1	-1.61740	81	396	0	0	0.96773	.
397	1000	1	-1.07708	81	397	0	0	0.96773	.
398	1000	1	-0.43907	81	398	0	0	0.96773	.
399	1000	1	0.46826	82	399	0	1	0.96694	.
400	1000	1	1.03855	82	400	1	1	0.96694	.
401	1000	1	1.08029	82	401	1	1	0.96694	.
402	1000	1	0.95714	82	402	1	1	0.96694	.
403	1000	1	1.43842	82	403	1	1	0.96694	.
404	1000	1	1.04824	82	404	1	1	0.96694	.
405	1000	1	1.72828	82	405	1	1	0.96694	.
406	1000	1	1.09543	82	406	1	1	0.96694	.
407	1000	1	-0.04806	83	407	1	0	0.96613	.
408	1000	1	0.04102	84	408	0	1	0.96531	.
409	1000	1	1.46504	84	409	1	1	0.96531	.
410	1000	1	2.10206	84	410	1	1	0.96531	.
411	1000	1	0.98786	84	411	1	1	0.96531	.
412	1000	1	1.05555	84	412	1	1	0.96531	.
413	1000	1	2.35589	84	413	1	1	0.96531	.
414	1000	1	1.95882	84	414	1	1	0.96531	.
415	1000	1	3.70184	84	415	1	1	0.96531	.
416	1000	1	3.79510	84	416	1	1	0.96531	.
417	1000	1	3.24019	84	417	1	1	0.96531	.
418	1000	1	4.20122	84	418	1	1	0.96531	.
419	1000	1	5.33046	84	419	1	1	0.96531	.
420	1000	1	3.74862	84	420	1	1	0.96531	.
421	1000	1	2.36734	84	421	1	1	0.96531	.
422	1000	1	1.16771	84	422	1	1	0.96531	.
423	1000	1	0.87082	84	423	1	1	0.96531	.
424	1000	1	1.30980	84	424	1	1	0.96531	.
425	1000	1	0.80740	84	425	1	1	0.96531	.
426	1000	1	-0.36544	85	426	1	0	0.96449	.
427	1000	1	-1.90005	85	427	0	0	0.96449	.
428	1000	1	-3.41313	85	428	0	0	0.96449	.
429	1000	1	-2.55287	85	429	0	0	0.96449	.
430	1000	1	-2.35769	85	430	0	0	0.96449	.
431	1000	1	-4.10147	85	431	0	0	0.96449	.
432	1000	1	-2.00785	85	432	0	0	0.96449	.
433	1000	1	-1.09077	85	433	0	0	0.96449	.
434	1000	1	-1.95145	85	434	0	0	0.96449	.
435	1000	1	-2.43408	85	435	0	0	0.96449	.
436	1000	1	-2.70542	85	436	0	0	0.96449	.
437	1000	1	-2.03670	85	437	0	0	0.96449	.
438	1000	1	-2.23180	85	438	0	0	0.96449	.
439	1000	1	-2.90974	85	439	0	0	0.96449	.
440	1000	1	-2.28023	85	440	0	0	0.96449	.

Obs	N	TS	z	d	i	x1	x2	phi	PHIZC
441	1000	1	-1.98485	85	441	0	0	0.96449	.
442	1000	1	-0.77695	85	442	0	0	0.96449	.
443	1000	1	-0.84843	85	443	0	0	0.96449	.
444	1000	1	-0.21791	85	444	0	0	0.96449	.
445	1000	1	-0.84713	85	445	0	0	0.96449	.
446	1000	1	-0.26980	85	446	0	0	0.96449	.
447	1000	1	-0.42150	85	447	0	0	0.96449	.
448	1000	1	-1.91264	85	448	0	0	0.96449	.
449	1000	1	-2.96248	85	449	0	0	0.96449	.
450	1000	1	-3.18665	85	450	0	0	0.96449	.
451	1000	1	-1.42744	85	451	0	0	0.96449	.
452	1000	1	-1.25681	85	452	0	0	0.96449	.
453	1000	1	-0.40364	85	453	0	0	0.96449	.
454	1000	1	-0.99702	85	454	0	0	0.96449	.
455	1000	1	-1.53346	85	455	0	0	0.96449	.
456	1000	1	-1.52311	85	456	0	0	0.96449	.
457	1000	1	-1.26605	85	457	0	0	0.96449	.
458	1000	1	-1.64619	85	458	0	0	0.96449	.
459	1000	1	-0.36531	85	459	0	0	0.96449	.
460	1000	1	-0.76455	85	460	0	0	0.96449	.
461	1000	1	0.35905	86	461	0	1	0.96365	.
462	1000	1	1.19006	86	462	1	1	0.96365	.
463	1000	1	3.36430	86	463	1	1	0.96365	.
464	1000	1	2.62507	86	464	1	1	0.96365	.
465	1000	1	2.60108	86	465	1	1	0.96365	.
466	1000	1	2.36213	86	466	1	1	0.96365	.
467	1000	1	2.00209	86	467	1	1	0.96365	.
468	1000	1	3.30200	86	468	1	1	0.96365	.
469	1000	1	2.91989	86	469	1	1	0.96365	.
470	1000	1	0.76338	86	470	1	1	0.96365	.
471	1000	1	-0.93422	87	471	1	0	0.96281	.
472	1000	1	-0.07407	87	472	0	0	0.96281	.
473	1000	1	0.68971	88	473	0	1	0.96195	.
474	1000	1	0.47015	88	474	1	1	0.96195	.
475	1000	1	0.82215	88	475	1	1	0.96195	.
476	1000	1	-0.18610	89	476	1	0	0.96109	.
477	1000	1	-0.86512	89	477	0	0	0.96109	.
478	1000	1	-0.21094	89	478	0	0	0.96109	.
479	1000	1	0.37813	90	479	0	1	0.96021	.
480	1000	1	-0.26019	91	480	1	0	0.95933	.
481	1000	1	-0.02273	91	481	0	0	0.95933	.
482	1000	1	-0.62992	91	482	0	0	0.95933	.
483	1000	1	-0.76297	91	483	0	0	0.95933	.
484	1000	1	-1.34450	91	484	0	0	0.95933	.
485	1000	1	-1.03626	91	485	0	0	0.95933	.
486	1000	1	-2.99673	91	486	0	0	0.95933	.
487	1000	1	-1.57266	91	487	0	0	0.95933	.
488	1000	1	-2.65275	91	488	0	0	0.95933	.
489	1000	1	-3.22207	91	489	0	0	0.95933	.

Obs	N	TS	z	d	i	x1	x2	phi	PHIZC
490	1000	1	-2.97108	91	490	0	0	0.95933	.
491	1000	1	-3.64442	91	491	0	0	0.95933	.
492	1000	1	-2.00368	91	492	0	0	0.95933	.
493	1000	1	-1.62895	91	493	0	0	0.95933	.
494	1000	1	-0.45332	91	494	0	0	0.95933	.
495	1000	1	-2.55707	91	495	0	0	0.95933	.
496	1000	1	-0.28574	91	496	0	0	0.95933	.
497	1000	1	-0.14249	91	497	0	0	0.95933	.
498	1000	1	0.65826	92	498	0	1	0.95844	.
499	1000	1	-0.28293	93	499	1	0	0.95754	.
500	1000	1	-0.62407	93	500	0	0	0.95754	.
501	1000	1	-1.34156	93	501	0	0	0.95754	.
502	1000	1	-1.49091	93	502	0	0	0.95754	.
503	1000	1	-2.43591	93	503	0	0	0.95754	.
504	1000	1	-2.60464	93	504	0	0	0.95754	.
505	1000	1	-3.35758	93	505	0	0	0.95754	.
506	1000	1	-2.29126	93	506	0	0	0.95754	.
507	1000	1	-1.65197	93	507	0	0	0.95754	.
508	1000	1	0.07962	94	508	0	1	0.95663	.
509	1000	1	0.25449	94	509	1	1	0.95663	.
510	1000	1	1.03449	94	510	1	1	0.95663	.
511	1000	1	0.72043	94	511	1	1	0.95663	.
512	1000	1	1.47052	94	512	1	1	0.95663	.
513	1000	1	1.33676	94	513	1	1	0.95663	.
514	1000	1	2.22077	94	514	1	1	0.95663	.
515	1000	1	2.19633	94	515	1	1	0.95663	.
516	1000	1	3.34637	94	516	1	1	0.95663	.
517	1000	1	2.87720	94	517	1	1	0.95663	.
518	1000	1	2.76845	94	518	1	1	0.95663	.
519	1000	1	2.60423	94	519	1	1	0.95663	.
520	1000	1	2.26128	94	520	1	1	0.95663	.
521	1000	1	1.88780	94	521	1	1	0.95663	.
522	1000	1	2.83824	94	522	1	1	0.95663	.
523	1000	1	2.02794	94	523	1	1	0.95663	.
524	1000	1	1.79482	94	524	1	1	0.95663	.
525	1000	1	2.74013	94	525	1	1	0.95663	.
526	1000	1	4.88345	94	526	1	1	0.95663	.
527	1000	1	4.13161	94	527	1	1	0.95663	.
528	1000	1	2.57285	94	528	1	1	0.95663	.
529	1000	1	1.38530	94	529	1	1	0.95663	.
530	1000	1	2.52829	94	530	1	1	0.95663	.
531	1000	1	3.63084	94	531	1	1	0.95663	.
532	1000	1	4.52166	94	532	1	1	0.95663	.
533	1000	1	2.80877	94	533	1	1	0.95663	.
534	1000	1	2.52692	94	534	1	1	0.95663	.
535	1000	1	-0.09466	95	535	1	0	0.95571	.
536	1000	1	-0.13100	95	536	0	0	0.95571	.
537	1000	1	1.85048	96	537	0	1	0.95477	.
538	1000	1	1.32151	96	538	1	1	0.95477	.

Obs	N	TS	z	d	i	x1	x2	phi	PHIZC
539	1000	1	1.76046	96	539	1	1	0.95477	.
540	1000	1	-0.18757	97	540	1	0	0.95384	.
541	1000	1	1.34391	98	541	0	1	0.95289	.
542	1000	1	-0.62406	99	542	1	0	0.95193	.
543	1000	1	0.00228	100	543	0	1	0.95096	.
544	1000	1	-0.28663	101	544	1	0	0.94998	.
545	1000	1	-1.63124	101	545	0	0	0.94998	.
546	1000	1	-1.38691	101	546	0	0	0.94998	.
547	1000	1	-2.04091	101	547	0	0	0.94998	.
548	1000	1	-2.74234	101	548	0	0	0.94998	.
549	1000	1	-3.37237	101	549	0	0	0.94998	.
550	1000	1	-2.70781	101	550	0	0	0.94998	.
551	1000	1	-0.96532	101	551	0	0	0.94998	.
552	1000	1	-0.09475	101	552	0	0	0.94998	.
553	1000	1	0.63737	102	553	0	1	0.94900	.
554	1000	1	-0.18279	103	554	1	0	0.94800	.
555	1000	1	-1.59813	103	555	0	0	0.94800	.
556	1000	1	-1.09750	103	556	0	0	0.94800	.
557	1000	1	-3.01762	103	557	0	0	0.94800	.
558	1000	1	-1.80023	103	558	0	0	0.94800	.
559	1000	1	-0.82225	103	559	0	0	0.94800	.
560	1000	1	-0.59585	103	560	0	0	0.94800	.
561	1000	1	-0.04521	103	561	0	0	0.94800	.
562	1000	1	-0.96844	103	562	0	0	0.94800	.
563	1000	1	-0.63090	103	563	0	0	0.94800	.
564	1000	1	-1.33931	103	564	0	0	0.94800	.
565	1000	1	-2.08951	103	565	0	0	0.94800	.
566	1000	1	-1.80512	103	566	0	0	0.94800	.
567	1000	1	-2.45019	103	567	0	0	0.94800	.
568	1000	1	-1.49733	103	568	0	0	0.94800	.
569	1000	1	-1.28881	103	569	0	0	0.94800	.
570	1000	1	0.24087	104	570	0	1	0.94699	.
571	1000	1	-1.47456	105	571	1	0	0.94598	.
572	1000	1	-1.62021	105	572	0	0	0.94598	.
573	1000	1	-1.05095	105	573	0	0	0.94598	.
574	1000	1	0.06067	106	574	0	1	0.94495	.
575	1000	1	-0.92915	107	575	1	0	0.94392	.
576	1000	1	-2.78175	107	576	0	0	0.94392	.
577	1000	1	-2.27292	107	577	0	0	0.94392	.
578	1000	1	-0.60321	107	578	0	0	0.94392	.
579	1000	1	-0.47226	107	579	0	0	0.94392	.
580	1000	1	-1.82519	107	580	0	0	0.94392	.
581	1000	1	-1.16766	107	581	0	0	0.94392	.
582	1000	1	-0.15979	107	582	0	0	0.94392	.
583	1000	1	0.25074	108	583	0	1	0.94288	.
584	1000	1	-0.92720	109	584	1	0	0.94183	.
585	1000	1	-2.05401	109	585	0	0	0.94183	.
586	1000	1	-2.42535	109	586	0	0	0.94183	.
587	1000	1	-3.04740	109	587	0	0	0.94183	.

Obs	N	TS	z	d	i	x1	x2	phi	PHIZC
588	1000	1	-2.67380	109	588	0	0	0.94183	.
589	1000	1	-2.75193	109	589	0	0	0.94183	.
590	1000	1	-2.88935	109	590	0	0	0.94183	.
591	1000	1	-2.60518	109	591	0	0	0.94183	.
592	1000	1	-1.14621	109	592	0	0	0.94183	.
593	1000	1	-0.21383	109	593	0	0	0.94183	.
594	1000	1	0.19065	110	594	0	1	0.94076	.
595	1000	1	1.19447	110	595	1	1	0.94076	.
596	1000	1	2.17204	110	596	1	1	0.94076	.
597	1000	1	2.29285	110	597	1	1	0.94076	.
598	1000	1	0.67814	110	598	1	1	0.94076	.
599	1000	1	1.43530	110	599	1	1	0.94076	.
600	1000	1	2.59044	110	600	1	1	0.94076	.
601	1000	1	2.55838	110	601	1	1	0.94076	.
602	1000	1	1.70970	110	602	1	1	0.94076	.
603	1000	1	0.50865	110	603	1	1	0.94076	.
604	1000	1	1.49914	110	604	1	1	0.94076	.
605	1000	1	2.45810	110	605	1	1	0.94076	.
606	1000	1	1.97851	110	606	1	1	0.94076	.
607	1000	1	-1.06808	111	607	1	0	0.93969	.
608	1000	1	-0.52981	111	608	0	0	0.93969	.
609	1000	1	-0.79960	111	609	0	0	0.93969	.
610	1000	1	-1.21567	111	610	0	0	0.93969	.
611	1000	1	-1.08508	111	611	0	0	0.93969	.
612	1000	1	0.32580	112	612	0	1	0.93861	.
613	1000	1	2.14808	112	613	1	1	0.93861	.
614	1000	1	0.71601	112	614	1	1	0.93861	.
615	1000	1	2.27097	112	615	1	1	0.93861	.
616	1000	1	1.03511	112	616	1	1	0.93861	.
617	1000	1	-0.33623	113	617	1	0	0.93752	.
618	1000	1	-0.16895	113	618	0	0	0.93752	.
619	1000	1	0.04801	114	619	0	1	0.93642	.
620	1000	1	1.85089	114	620	1	1	0.93642	.
621	1000	1	2.61405	114	621	1	1	0.93642	.
622	1000	1	2.64591	114	622	1	1	0.93642	.
623	1000	1	1.99618	114	623	1	1	0.93642	.
624	1000	1	2.17511	114	624	1	1	0.93642	.
625	1000	1	1.44989	114	625	1	1	0.93642	.
626	1000	1	0.30363	114	626	1	1	0.93642	.
627	1000	1	-0.67929	115	627	1	0	0.93532	.
628	1000	1	-1.41005	115	628	0	0	0.93532	.
629	1000	1	-0.76913	115	629	0	0	0.93532	.
630	1000	1	0.36186	116	630	0	1	0.93420	.
631	1000	1	0.23654	116	631	1	1	0.93420	.
632	1000	1	0.74207	116	632	1	1	0.93420	.
633	1000	1	-1.04036	117	633	1	0	0.93307	.
634	1000	1	-0.62917	117	634	0	0	0.93307	.
635	1000	1	-0.77595	117	635	0	0	0.93307	.
636	1000	1	-2.09143	117	636	0	0	0.93307	.

Obs	N	TS	z	d	i	x1	x2	phi	PHIZC
637	1000	1	-1.60005	117	637	0	0	0.93307	.
638	1000	1	-0.75667	117	638	0	0	0.93307	.
639	1000	1	-1.32380	117	639	0	0	0.93307	.
640	1000	1	-1.96657	117	640	0	0	0.93307	.
641	1000	1	-1.04194	117	641	0	0	0.93307	.
642	1000	1	-0.79631	117	642	0	0	0.93307	.
643	1000	1	0.41109	118	643	0	1	0.93194	.
644	1000	1	-0.19624	119	644	1	0	0.93079	.
645	1000	1	-0.10758	119	645	0	0	0.93079	.
646	1000	1	-0.74612	119	646	0	0	0.93079	.
647	1000	1	0.17155	120	647	0	1	0.92964	.
648	1000	1	0.71142	120	648	1	1	0.92964	.
649	1000	1	0.54458	120	649	1	1	0.92964	.
650	1000	1	1.00187	120	650	1	1	0.92964	.
651	1000	1	0.67827	120	651	1	1	0.92964	.
652	1000	1	1.38736	120	652	1	1	0.92964	.
653	1000	1	-1.07277	121	653	1	0	0.92847	.
654	1000	1	-1.11692	121	654	0	0	0.92847	.
655	1000	1	-0.68953	121	655	0	0	0.92847	.
656	1000	1	0.69964	122	656	0	1	0.92730	.
657	1000	1	0.09455	122	657	1	1	0.92730	.
658	1000	1	3.89250	122	658	1	1	0.92730	.
659	1000	1	2.90430	122	659	1	1	0.92730	.
660	1000	1	2.57999	122	660	1	1	0.92730	.
661	1000	1	2.59364	122	661	1	1	0.92730	.
662	1000	1	1.92288	122	662	1	1	0.92730	.
663	1000	1	0.76983	122	663	1	1	0.92730	.
664	1000	1	0.06661	122	664	1	1	0.92730	.
665	1000	1	1.26548	122	665	1	1	0.92730	.
666	1000	1	-0.58234	123	666	1	0	0.92612	.
667	1000	1	-0.85577	123	667	0	0	0.92612	.
668	1000	1	-1.08205	123	668	0	0	0.92612	.
669	1000	1	-0.30465	123	669	0	0	0.92612	.
670	1000	1	-1.05980	123	670	0	0	0.92612	.
671	1000	1	1.11637	124	671	0	1	0.92493	.
672	1000	1	1.47874	124	672	1	1	0.92493	.
673	1000	1	0.09485	124	673	1	1	0.92493	.
674	1000	1	-0.89342	125	674	1	0	0.92373	.
675	1000	1	-0.42265	125	675	0	0	0.92373	.
676	1000	1	0.21738	126	676	0	1	0.92252	.
677	1000	1	1.16581	126	677	1	1	0.92252	.
678	1000	1	-0.43003	127	678	1	0	0.92130	.
679	1000	1	-0.79470	127	679	0	0	0.92130	.
680	1000	1	-0.95352	127	680	0	0	0.92130	.
681	1000	1	0.44588	128	681	0	1	0.92007	.
682	1000	1	-0.25612	129	682	1	0	0.91884	.
683	1000	1	0.53244	130	683	0	1	0.91759	.
684	1000	1	1.80314	130	684	1	1	0.91759	.
685	1000	1	0.63055	130	685	1	1	0.91759	.

Obs	N	TS	z	d	i	x1	x2	phi	PHIZC
686	1000	1	-0.24678	131	686	1	0	0.91634	.
687	1000	1	-1.92044	131	687	0	0	0.91634	.
688	1000	1	-2.00527	131	688	0	0	0.91634	.
689	1000	1	-1.97288	131	689	0	0	0.91634	.
690	1000	1	-1.41592	131	690	0	0	0.91634	.
691	1000	1	-0.65448	131	691	0	0	0.91634	.
692	1000	1	-0.83409	131	692	0	0	0.91634	.
693	1000	1	-1.14408	131	693	0	0	0.91634	.
694	1000	1	0.36284	132	694	0	1	0.91507	.
695	1000	1	1.19908	132	695	1	1	0.91507	.
696	1000	1	0.73633	132	696	1	1	0.91507	.
697	1000	1	2.57416	132	697	1	1	0.91507	.
698	1000	1	4.01173	132	698	1	1	0.91507	.
699	1000	1	3.78909	132	699	1	1	0.91507	.
700	1000	1	1.83639	132	700	1	1	0.91507	.
701	1000	1	2.57789	132	701	1	1	0.91507	.
702	1000	1	1.76838	132	702	1	1	0.91507	.
703	1000	1	1.02899	132	703	1	1	0.91507	.
704	1000	1	1.16879	132	704	1	1	0.91507	.
705	1000	1	1.93264	132	705	1	1	0.91507	.
706	1000	1	1.03286	132	706	1	1	0.91507	.
707	1000	1	2.39643	132	707	1	1	0.91507	.
708	1000	1	1.60842	132	708	1	1	0.91507	.
709	1000	1	2.14381	132	709	1	1	0.91507	.
710	1000	1	2.68900	132	710	1	1	0.91507	.
711	1000	1	0.27691	132	711	1	1	0.91507	.
712	1000	1	1.05807	132	712	1	1	0.91507	.
713	1000	1	-0.24121	133	713	1	0	0.91380	.
714	1000	1	0.11824	134	714	0	1	0.91252	.
715	1000	1	1.45902	134	715	1	1	0.91252	.
716	1000	1	2.42843	134	716	1	1	0.91252	.
717	1000	1	1.50772	134	717	1	1	0.91252	.
718	1000	1	1.81604	134	718	1	1	0.91252	.
719	1000	1	-0.05569	135	719	1	0	0.91123	.
720	1000	1	-1.22339	135	720	0	0	0.91123	.
721	1000	1	0.33453	136	721	0	1	0.90993	.
722	1000	1	1.09001	136	722	1	1	0.90993	.
723	1000	1	1.31372	136	723	1	1	0.90993	.
724	1000	1	1.88632	136	724	1	1	0.90993	.
725	1000	1	-0.04127	137	725	1	0	0.90862	.
726	1000	1	0.15350	138	726	0	1	0.90730	.
727	1000	1	-1.38954	139	727	1	0	0.90598	.
728	1000	1	-1.94806	139	728	0	0	0.90598	.
729	1000	1	-2.78172	139	729	0	0	0.90598	.
730	1000	1	-2.62038	139	730	0	0	0.90598	.
731	1000	1	-1.03763	139	731	0	0	0.90598	.
732	1000	1	-1.77317	139	732	0	0	0.90598	.
733	1000	1	-2.43024	139	733	0	0	0.90598	.
734	1000	1	-1.03651	139	734	0	0	0.90598	.

Obs	N	TS	z	d	i	x1	x2	phi	PHIZC
735	1000	1	-1.91769	139	735	0	0	0.90598	.
736	1000	1	0.75858	140	736	0	1	0.90464	.
737	1000	1	0.42330	140	737	1	1	0.90464	.
738	1000	1	-1.66514	141	738	1	0	0.90329	.
739	1000	1	-0.36153	141	739	0	0	0.90329	.
740	1000	1	0.78877	142	740	0	1	0.90194	.
741	1000	1	0.45114	142	741	1	1	0.90194	.
742	1000	1	-0.97183	143	742	1	0	0.90058	.
743	1000	1	-1.91287	143	743	0	0	0.90058	.
744	1000	1	-0.60625	143	744	0	0	0.90058	.
745	1000	1	-0.16858	143	745	0	0	0.90058	.
746	1000	1	-0.44072	143	746	0	0	0.90058	.
747	1000	1	0.54062	144	747	0	1	0.89921	.
748	1000	1	0.65826	144	748	1	1	0.89921	.
749	1000	1	1.02022	144	749	1	1	0.89921	.
750	1000	1	0.58711	144	750	1	1	0.89921	.
751	1000	1	-0.95680	145	751	1	0	0.89783	.
752	1000	1	-0.23751	145	752	0	0	0.89783	.
753	1000	1	-1.50452	145	753	0	0	0.89783	.
754	1000	1	-1.00493	145	754	0	0	0.89783	.
755	1000	1	-2.46304	145	755	0	0	0.89783	.
756	1000	1	-2.68120	145	756	0	0	0.89783	.
757	1000	1	-2.66033	145	757	0	0	0.89783	.
758	1000	1	-1.97657	145	758	0	0	0.89783	.
759	1000	1	-1.38692	145	759	0	0	0.89783	.
760	1000	1	-0.84075	145	760	0	0	0.89783	.
761	1000	1	-2.83829	145	761	0	0	0.89783	.
762	1000	1	-2.26890	145	762	0	0	0.89783	.
763	1000	1	-0.57826	145	763	0	0	0.89783	.
764	1000	1	-0.36254	145	764	0	0	0.89783	.
765	1000	1	0.60244	146	765	0	1	0.89644	.
766	1000	1	0.85516	146	766	1	1	0.89644	.
767	1000	1	2.73313	146	767	1	1	0.89644	.
768	1000	1	2.44358	146	768	1	1	0.89644	.
769	1000	1	2.09471	146	769	1	1	0.89644	.
770	1000	1	2.22304	146	770	1	1	0.89644	.
771	1000	1	0.79528	146	771	1	1	0.89644	.
772	1000	1	1.06353	146	772	1	1	0.89644	.
773	1000	1	0.68334	146	773	1	1	0.89644	.
774	1000	1	-1.22200	147	774	1	0	0.89504	.
775	1000	1	0.54572	148	775	0	1	0.89363	.
776	1000	1	0.20242	148	776	1	1	0.89363	.
777	1000	1	-0.17575	149	777	1	0	0.89222	.
778	1000	1	-0.03191	149	778	0	0	0.89222	.
779	1000	1	0.84168	150	779	0	1	0.89079	.
780	1000	1	0.48655	150	780	1	1	0.89079	.
781	1000	1	1.13146	150	781	1	1	0.89079	.
782	1000	1	0.13704	150	782	1	1	0.89079	.
783	1000	1	-0.24568	151	783	1	0	0.88936	.



Obs	N	TS	z	d	i	x1	x2	phi	PHIZC
784	1000	1	-0.82715	151	784	0	0	0.88936	.
785	1000	1	-0.40082	151	785	0	0	0.88936	.
786	1000	1	0.54577	152	786	0	1	0.88792	.
787	1000	1	1.28364	152	787	1	1	0.88792	.
788	1000	1	1.28408	152	788	1	1	0.88792	.
789	1000	1	3.31561	152	789	1	1	0.88792	.
790	1000	1	2.90235	152	790	1	1	0.88792	.
791	1000	1	3.96591	152	791	1	1	0.88792	.
792	1000	1	4.45066	152	792	1	1	0.88792	.
793	1000	1	2.10832	152	793	1	1	0.88792	.
794	1000	1	2.88027	152	794	1	1	0.88792	.
795	1000	1	1.40677	152	795	1	1	0.88792	.
796	1000	1	0.24630	152	796	1	1	0.88792	.
797	1000	1	0.57899	152	797	1	1	0.88792	.
798	1000	1	1.30923	152	798	1	1	0.88792	.
799	1000	1	3.17703	152	799	1	1	0.88792	.
800	1000	1	1.09376	152	800	1	1	0.88792	.
801	1000	1	1.16286	152	801	1	1	0.88792	.
802	1000	1	1.78769	152	802	1	1	0.88792	.
803	1000	1	0.73325	152	803	1	1	0.88792	.
804	1000	1	1.20228	152	804	1	1	0.88792	.
805	1000	1	2.69211	152	805	1	1	0.88792	.
806	1000	1	1.72552	152	806	1	1	0.88792	.
807	1000	1	1.41474	152	807	1	1	0.88792	.
808	1000	1	0.80704	152	808	1	1	0.88792	.
809	1000	1	1.64214	152	809	1	1	0.88792	.
810	1000	1	0.14369	152	810	1	1	0.88792	.
811	1000	1	-2.81941	153	811	1	0	0.88647	.
812	1000	1	-2.64034	153	812	0	0	0.88647	.
813	1000	1	-0.15916	153	813	0	0	0.88647	.
814	1000	1	-0.54655	153	814	0	0	0.88647	.
815	1000	1	-0.89818	153	815	0	0	0.88647	.
816	1000	1	-1.06043	153	816	0	0	0.88647	.
817	1000	1	-1.82698	153	817	0	0	0.88647	.
818	1000	1	-2.48646	153	818	0	0	0.88647	.
819	1000	1	-0.93000	153	819	0	0	0.88647	.
820	1000	1	0.56044	154	820	0	1	0.88501	.
821	1000	1	-0.15545	155	821	1	0	0.88354	.
822	1000	1	0.78170	156	822	0	1	0.88206	.
823	1000	1	0.59361	156	823	1	1	0.88206	.
824	1000	1	1.64693	156	824	1	1	0.88206	.
825	1000	1	2.62479	156	825	1	1	0.88206	.
826	1000	1	3.76125	156	826	1	1	0.88206	.
827	1000	1	3.48349	156	827	1	1	0.88206	.
828	1000	1	2.90538	156	828	1	1	0.88206	.
829	1000	1	2.98784	156	829	1	1	0.88206	.
830	1000	1	4.08270	156	830	1	1	0.88206	.
831	1000	1	3.30422	156	831	1	1	0.88206	.
832	1000	1	3.23414	156	832	1	1	0.88206	.

Obs	N	TS	z	d	i	x1	x2	phi	PHIZC
833	1000	1	3.13306	156	833	1	1	0.88206	.
834	1000	1	3.36567	156	834	1	1	0.88206	.
835	1000	1	2.27344	156	835	1	1	0.88206	.
836	1000	1	1.33309	156	836	1	1	0.88206	.
837	1000	1	-1.40562	157	837	1	0	0.88057	.
838	1000	1	-0.92418	157	838	0	0	0.88057	.
839	1000	1	1.00576	158	839	0	1	0.87908	.
840	1000	1	-0.49397	159	840	1	0	0.87758	.
841	1000	1	0.15552	160	841	0	1	0.87606	.
842	1000	1	-0.20117	161	842	1	0	0.87454	.
843	1000	1	0.50196	162	843	0	1	0.87301	.
844	1000	1	-0.51361	163	844	1	0	0.87148	.
845	1000	1	-0.09417	163	845	0	0	0.87148	.
846	1000	1	-1.19184	163	846	0	0	0.87148	.
847	1000	1	-1.45711	163	847	0	0	0.87148	.
848	1000	1	-0.38271	163	848	0	0	0.87148	.
849	1000	1	-0.71845	163	849	0	0	0.87148	.
850	1000	1	-2.06348	163	850	0	0	0.87148	.
851	1000	1	-0.87207	163	851	0	0	0.87148	.
852	1000	1	0.10369	164	852	0	1	0.86993	.
853	1000	1	2.22172	164	853	1	1	0.86993	.
854	1000	1	0.86682	164	854	1	1	0.86993	.
855	1000	1	1.30375	164	855	1	1	0.86993	.
856	1000	1	1.59045	164	856	1	1	0.86993	.
857	1000	1	1.32621	164	857	1	1	0.86993	.
858	1000	1	2.31539	164	858	1	1	0.86993	.
859	1000	1	1.54493	164	859	1	1	0.86993	.
860	1000	1	1.93124	164	860	1	1	0.86993	.
861	1000	1	-0.33053	165	861	1	0	0.86837	.
862	1000	1	1.11234	166	862	0	1	0.86681	.
863	1000	1	1.13683	166	863	1	1	0.86681	.
864	1000	1	0.08479	166	864	1	1	0.86681	.
865	1000	1	-0.68657	167	865	1	0	0.86524	.
866	1000	1	-0.82419	167	866	0	0	0.86524	.
867	1000	1	-1.56723	167	867	0	0	0.86524	.
868	1000	1	-1.44070	167	868	0	0	0.86524	.
869	1000	1	-0.59325	167	869	0	0	0.86524	.
870	1000	1	-0.02898	167	870	0	0	0.86524	.
871	1000	1	0.81420	168	871	0	1	0.86366	.
872	1000	1	0.62857	168	872	1	1	0.86366	.
873	1000	1	0.05811	168	873	1	1	0.86366	.
874	1000	1	1.46616	168	874	1	1	0.86366	.
875	1000	1	0.23547	168	875	1	1	0.86366	.
876	1000	1	0.43559	168	876	1	1	0.86366	.
877	1000	1	1.48599	168	877	1	1	0.86366	.
878	1000	1	-1.09646	169	878	1	0	0.86207	.
879	1000	1	-1.35853	169	879	0	0	0.86207	.
880	1000	1	-2.13057	169	880	0	0	0.86207	.
881	1000	1	-0.70753	169	881	0	0	0.86207	.

Obs	N	TS	z	d	i	x1	x2	phi	PHIZC
882	1000	1	0.63131	170	882	0	1	0.86047	.
883	1000	1	1.55847	170	883	1	1	0.86047	.
884	1000	1	0.95439	170	884	1	1	0.86047	.
885	1000	1	-0.77174	171	885	1	0	0.85886	.
886	1000	1	-0.79751	171	886	0	0	0.85886	.
887	1000	1	-1.05530	171	887	0	0	0.85886	.
888	1000	1	-0.15562	171	888	0	0	0.85886	.
889	1000	1	-0.52142	171	889	0	0	0.85886	.
890	1000	1	1.41286	172	890	0	1	0.85725	.
891	1000	1	0.91675	172	891	1	1	0.85725	.
892	1000	1	0.23162	172	892	1	1	0.85725	.
893	1000	1	-0.69853	173	893	1	0	0.85563	.
894	1000	1	0.49030	174	894	0	1	0.85399	.
895	1000	1	-0.49208	175	895	1	0	0.85235	.
896	1000	1	-0.51706	175	896	0	0	0.85235	.
897	1000	1	-1.78296	175	897	0	0	0.85235	.
898	1000	1	0.16131	176	898	0	1	0.85070	.
899	1000	1	1.46417	176	899	1	1	0.85070	.
900	1000	1	1.25282	176	900	1	1	0.85070	.
901	1000	1	1.28997	176	901	1	1	0.85070	.
902	1000	1	2.98903	176	902	1	1	0.85070	.
903	1000	1	1.82291	176	903	1	1	0.85070	.
904	1000	1	1.40224	176	904	1	1	0.85070	.
905	1000	1	0.65675	176	905	1	1	0.85070	.
906	1000	1	0.89725	176	906	1	1	0.85070	.
907	1000	1	0.22156	176	907	1	1	0.85070	.
908	1000	1	0.97168	176	908	1	1	0.85070	.
909	1000	1	0.93697	176	909	1	1	0.85070	.
910	1000	1	0.62848	176	910	1	1	0.85070	.
911	1000	1	0.68860	176	911	1	1	0.85070	.
912	1000	1	0.43357	176	912	1	1	0.85070	.
913	1000	1	0.21468	176	913	1	1	0.85070	.
914	1000	1	-0.97504	177	914	1	0	0.84905	.
915	1000	1	-2.47590	177	915	0	0	0.84905	.
916	1000	1	-2.99259	177	916	0	0	0.84905	.
917	1000	1	-3.04628	177	917	0	0	0.84905	.
918	1000	1	-1.57367	177	918	0	0	0.84905	.
919	1000	1	0.88009	178	919	0	1	0.84738	.
920	1000	1	0.89436	178	920	1	1	0.84738	.
921	1000	1	0.08230	178	921	1	1	0.84738	.
922	1000	1	-0.14113	179	922	1	0	0.84571	.
923	1000	1	-0.46644	179	923	0	0	0.84571	.
924	1000	1	-0.96347	179	924	0	0	0.84571	.
925	1000	1	-1.23816	179	925	0	0	0.84571	.
926	1000	1	-0.64860	179	926	0	0	0.84571	.
927	1000	1	-0.03878	179	927	0	0	0.84571	.
928	1000	1	1.03242	180	928	0	1	0.84402	.
929	1000	1	1.72926	180	929	1	1	0.84402	.
930	1000	1	1.62560	180	930	1	1	0.84402	.

Obs	N	TS	z	d	i	x1	x2	phi	PHIZC
931	1000	1	1.19427	180	931	1	1	0.84402	.
932	1000	1	0.54496	180	932	1	1	0.84402	.
933	1000	1	-0.06869	181	933	1	0	0.84233	.
934	1000	1	-0.60949	181	934	0	0	0.84233	.
935	1000	1	-0.60109	181	935	0	0	0.84233	.
936	1000	1	-0.97520	181	936	0	0	0.84233	.
937	1000	1	-1.20209	181	937	0	0	0.84233	.
938	1000	1	-0.56509	181	938	0	0	0.84233	.
939	1000	1	1.01163	182	939	0	1	0.84063	.
940	1000	1	2.86301	182	940	1	1	0.84063	.
941	1000	1	0.70847	182	941	1	1	0.84063	.
942	1000	1	2.82617	182	942	1	1	0.84063	.
943	1000	1	3.35266	182	943	1	1	0.84063	.
944	1000	1	2.46343	182	944	1	1	0.84063	.
945	1000	1	0.94805	182	945	1	1	0.84063	.
946	1000	1	1.44407	182	946	1	1	0.84063	.
947	1000	1	1.27012	182	947	1	1	0.84063	.
948	1000	1	0.65393	182	948	1	1	0.84063	.
949	1000	1	0.03898	182	949	1	1	0.84063	.
950	1000	1	0.34243	182	950	1	1	0.84063	.
951	1000	1	0.14852	182	951	1	1	0.84063	.
952	1000	1	-1.21707	183	952	1	0	0.83893	.
953	1000	1	-0.35330	183	953	0	0	0.83893	.
954	1000	1	-0.42748	183	954	0	0	0.83893	.
955	1000	1	-0.10571	183	955	0	0	0.83893	.
956	1000	1	-0.49366	183	956	0	0	0.83893	.
957	1000	1	-0.02973	183	957	0	0	0.83893	.
958	1000	1	-0.97497	183	958	0	0	0.83893	.
959	1000	1	-1.68349	183	959	0	0	0.83893	.
960	1000	1	-0.72248	183	960	0	0	0.83893	.
961	1000	1	-2.22596	183	961	0	0	0.83893	.
962	1000	1	-1.48524	183	962	0	0	0.83893	.
963	1000	1	-2.48853	183	963	0	0	0.83893	.
964	1000	1	-3.43622	183	964	0	0	0.83893	.
965	1000	1	-2.44489	183	965	0	0	0.83893	.
966	1000	1	-2.07078	183	966	0	0	0.83893	.
967	1000	1	-1.07094	183	967	0	0	0.83893	.
968	1000	1	-0.36076	183	968	0	0	0.83893	.
969	1000	1	-0.65459	183	969	0	0	0.83893	.
970	1000	1	0.23204	184	970	0	1	0.83721	.
971	1000	1	2.67395	184	971	1	1	0.83721	.
972	1000	1	0.85137	184	972	1	1	0.83721	.
973	1000	1	0.98125	184	973	1	1	0.83721	.
974	1000	1	-0.54267	185	974	1	0	0.83549	.
975	1000	1	-0.62700	185	975	0	0	0.83549	.
976	1000	1	-0.65774	185	976	0	0	0.83549	.
977	1000	1	-1.33520	185	977	0	0	0.83549	.
978	1000	1	-0.51533	185	978	0	0	0.83549	.
979	1000	1	-0.95487	185	979	0	0	0.83549	.

Obs	N	TS	z	d	i	x1	x2	phi	PHIZC
980	1000	1	-0.02387	185	980	0	0	0.83549	.
981	1000	1	-0.86619	185	981	0	0	0.83549	.
982	1000	1	0.02479	186	982	0	1	0.83376	.
983	1000	1	1.90452	186	983	1	1	0.83376	.
984	1000	1	2.81856	186	984	1	1	0.83376	.
985	1000	1	2.18903	186	985	1	1	0.83376	.
986	1000	1	0.34191	186	986	1	1	0.83376	.
987	1000	1	-0.63256	187	987	1	0	0.83202	.
988	1000	1	1.07310	188	988	0	1	0.83027	.
989	1000	1	-0.66622	189	989	1	0	0.82851	.
990	1000	1	-1.69687	189	990	0	0	0.82851	.
991	1000	1	-0.53146	189	991	0	0	0.82851	.
992	1000	1	-0.09269	189	992	0	0	0.82851	.
993	1000	1	0.80662	190	993	0	1	0.82674	.
994	1000	1	-1.44011	191	994	1	0	0.82497	.
995	1000	1	-1.82919	191	995	0	0	0.82497	.
996	1000	1	-2.86614	191	996	0	0	0.82497	.
997	1000	1	-2.06430	191	997	0	0	0.82497	.
998	1000	1	-3.66650	191	998	0	0	0.82497	.
999	1000	1	-2.72337	191	999	0	0	0.82497	.
1000	1000	1	-1.85733	191	1000	0	0	0.82497	0.82497