

## Simulated Data

day	sick	deaths	new_infections	
0	0	2	0	0
1	1	1	1	6
2	1	0	0	1
3	0	1	1	2
4	0	0	0	0
5	0	0	0	0
6	0	0	0	1
7	0	0	0	2
8	0	0	0	1
9	0	0	0	0
10	0	0	0	0
11	0	0	0	1
12	0	0	0	0
13	0	0	0	1
14	0	0	0	0
15	0	0	0	0
16	0	0	0	2
17	0	0	0	1
18	0	0	0	0
19	0	0	0	1
20	0	0	0	0
21	0	0	0	0
22	0	0	0	0
23	0	0	0	1
24	0	0	0	0
25	0	0	0	1
26	0	0	0	2
27	0	0	0	2
28	0	0	0	0
29	0	0	0	0
30	0	0	0	1
31	0	0	0	1
32	0	0	0	0
33	0	0	0	0
34	0	0	0	0
35	0	0	0	0
36	0	0	0	0
37	0	0	0	0
38	0	0	0	0
39	0	0	0	0
40	0	0	0	1
41	0	0	0	0
42	0	0	0	0
43	0	0	0	1
44	0	0	0	1
45	0	0	0	0
46	1	0	0	0
47	1	1	1	4
48	1	1	1	5

49	1	1	1
50	1	0	5
51	1	0	1
52	1	0	6
53	1	0	3
54	1	0	2
55	1	0	6
56	1	1	2
57	1	0	2
58	0	1	7
59	0	0	0
60	0	0	1
61	0	0	0
62	0	0	1
63	0	0	1
64	0	0	2
65	0	0	0
66	0	0	1
67	0	0	0
68	0	0	0
69	0	0	1
70	0	0	0
71	0	0	4
72	0	0	0
73	0	0	1
74	0	0	2
75	0	0	1
76	0	0	0
77	0	0	0
78	0	0	2
79	0	0	0
80	0	0	0
81	0	0	1
82	0	0	0
83	0	0	0
84	0	0	0
85	0	0	3
86	0	0	0
87	0	0	0
88	0	0	1
89	0	0	1
90	0	0	0
91	0	0	3
92	0	0	0
93	0	0	0
94	0	0	0
95	0	0	1
96	0	0	2
97	0	0	0
98	0	0	0

99	0	0	0
100	0	0	1
101	0	0	0
102	0	0	1
103	0	0	0
104	0	0	0
105	1	0	0
106	1	1	8
107	1	1	6
108	1	1	3
109	1	0	8
110	1	0	3
111	1	1	2
112	1	1	6
113	1	0	5
114	1	0	1
115	0	1	2
116	0	0	2
117	1	0	0
118	1	1	3
119	1	0	2
120	1	0	1
121	0	1	2
122	0	0	0
123	0	0	1
124	0	0	0
125	0	0	2
126	0	0	0
127	0	0	0
128	0	0	0
129	0	0	1
130	0	0	1
131	0	0	1
132	0	0	1
133	0	0	1
134	0	0	1
135	0	0	2
136	1	0	0
137	1	0	3
138	1	0	6
139	0	0	6
140	0	0	0
141	0	0	0
142	1	0	2
143	2	1	2
144	2	2	4
145	2	2	6
146	2	0	13
147	2	0	2
148	2	2	2

149	2	1	2
150	2	1	3