

```
1  input5.txt
2  =====
3  2
4  2
5  2
6  1,1,0,0
7  5,1,0,1
8
9  Output
10 =====
11 Number of Diners: 2
12 Number of Tables: 2
13 Number of Cooks: 2
14 00:00 : Cook 0 is waiting because all order queues are empty.
15
16 Current time is: 00:00
17
18 Restaurant 6341 will now begin accepting diners and will continue accepting diners for
19 120 minutes.
20 00:00 : Cook 1 is waiting because all order queues are empty.
21 00:01 : Diner 0 has entered the restaurant. Diner will wait to be seated.
22 00:01 : Diner 0 is seated at Table 0
23         Diner will place the following orders.
24         Number of Burgers: 1
25         Orders of Fries: 0
26         Orders of Coke: 0
27 00:01 : Cook 0 uses the BURGER machine for 1 number of BURGERS of Diner 1
28 00:01 : Cook 1 is waiting because all order queues are empty.
29 00:05 : Diner 1 has entered the restaurant. Diner will wait to be seated.
30 00:05 : Diner 1 is seated at Table 1
31         Diner will place the following orders.
32         Number of Burgers: 1
33         Orders of Fries: 0
34         Orders of Coke: 1
35 00:05 : Cook 1 uses the COKE machine for 1 number of COKEs of Diner 2
36 00:06 : Cook 0 has finished preparing 1 number of Burgers of Diner 1
37 00:06 : Cook 1 has finished preparing 1 number of Cokes of Diner 2
38 00:06 : Cook 1 is waiting because all order queues are empty.
39 00:06 : Cook 0 uses the BURGER machine for 1 number of BURGERS of Diner 2
40 00:06 : Diner 0's order is ready. Diner 0 will now begin eating.
41 00:11 : Cook 0 has finished preparing 1 number of Burgers of Diner 2
42 00:11 : Cook 0 is waiting because all order queues are empty.
43 00:11 : Diner 1's order is ready. Diner 1 will now begin eating.
44 00:36 : Diner Id: 0 has completed dining and is leaving the Restaurant.
45         Table number 0 is now free.
46         Number of Burgers: 1
47         Orders of Fries: 0
48         Orders of Coke: 0
49         Time Entered: 1 minute mark.
50         Time Seated: 1 minute mark.
51         Time Served: 6 minute mark.
52         Time Exited: 36 minute mark.
53 00:41 : Diner Id: 1 has completed dining and is leaving the Restaurant.
54         Table number 1 is now free.
55         Number of Burgers: 1
56         Orders of Fries: 0
57         Orders of Coke: 1
58         Time Entered: 5 minute mark.
59         Time Seated: 5 minute mark.
60         Time Served: 11 minute mark.
        Time Exited: 41 minute mark.
```