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1  Outputs Noted:
2
3  1. File - input1.txt
4  3
5  2
6  2
7  5,1,1,1
8  6,2,0,1
9  7,1,2,1
10
11 Output
12 =====
13 Number of Diners: 3
14 Number of Tables: 2
15 Number of Cooks: 2
16 00:00 : Cook 0 is waiting because all order queues are empty.
17 00:00 : Cook 1 is waiting because all order queues are empty.
18
19 Current time is: 00:00
20
21 Restaurant 6341 will now begin accepting diners and will continue accepting diners for
  120 minutes.
22 00:05 : Diner 0 has entered the restaurant. Diner will wait to be seated.
23 00:05 : Diner 0 is seated at Table 0
24     Diner will place the following orders.
25     Number of Burgers: 1
26     Orders of Fries: 1
27     Orders of Coke: 1
28 00:05 : Cook 0 uses the BURGER machine for 1 number of BURGERS of Diner 1
29 00:05 : Cook 1 uses the FRIES machine for 1 number of FRIESs of Diner 1
30 00:06 : Diner 1 has entered the restaurant. Diner will wait to be seated.
31 00:06 : Diner 1 is seated at Table 1
32     Diner will place the following orders.
33     Number of Burgers: 2
34     Orders of Fries: 0
35     Orders of Coke: 1
36 00:07 : Diner 2 has entered the restaurant. Diner will wait to be seated.
37 00:08 : Cook 1 has finished preparing 1 number of Friess of Diner 1
38 00:08 : Cook 1 uses the COKE machine for 1 number of COKEs of Diner 1
39 00:08 : Cook 1 has finished preparing 1 number of Cokes of Diner 1
40 00:08 : Cook 1 uses the COKE machine for 1 number of COKEs of Diner 2
41 00:09 : Cook 0 has finished preparing 1 number of Burgers of Diner 1
42 00:09 : Cook 0 uses the BURGER machine for 2 number of BURGERS of Diner 2
43 00:09 : Diner 0's order is ready. Diner 0 will now begin eating.
44 00:09 : Cook 1 has finished preparing 1 number of Cokes of Diner 2
45 00:09 : Cook 1 is waiting because all order queues are empty.
46 00:19 : Cook 0 has finished preparing 2 number of Burgers of Diner 2
47 00:19 : Cook 0 is waiting because all order queues are empty.
48 00:19 : Diner 1's order is ready. Diner 1 will now begin eating.
49 00:40 : Diner Id: 0 has completed dining and is leaving the Restaurant.
50     Table number 0 is now free.
51     Number of Burgers: 1
52     Orders of Fries: 1
53     Orders of Coke: 1
54     Time Entered: 5 minute mark.
55     Time Seated: 5 minute mark.
56     Time Served: 9 minute mark.
57     Time Exited: 40 minute mark.
58 00:40 : Diner 2 is seated at Table 0
59     Diner will place the following orders.
60     Number of Burgers: 1
61     Orders of Fries: 2
62     Orders of Coke: 1
63 00:40 : Cook 1 uses the BURGER machine for 1 number of BURGERS of Diner 3
64 00:40 : Cook 0 uses the FRIES machine for 2 number of FRIESs of Diner 3
65 00:45 : Cook 1 has finished preparing 1 number of Burgers of Diner 3
66 00:45 : Cook 1 uses the COKE machine for 1 number of COKEs of Diner 3
67 00:46 : Cook 0 has finished preparing 2 number of Friess of Diner 3
68 00:46 : Cook 0 is waiting because all order queues are empty.
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69 00:46 : Cook 1 has finished preparing 1 number of Cokes of Diner 3
70 00:46 : Cook 1 is waiting because all order queues are empty.
71 00:46 : Diner 2's order is ready. Diner 2 will now begin eating.
72 00:50 : Diner Id: 1 has completed dining and is leaving the Restaurant.
73 Table number 1 is now free.
74 Number of Burgers: 2
75 Orders of Fries: 0
76 Orders of Coke: 1
77 Time Entered: 6 minute mark.
78 Time Seated: 6 minute mark.
79 Time Served: 19 minute mark.
80 Time Exited: 50 minute mark.
81 01:16 : Diner Id: 2 has completed dining and is leaving the Restaurant.
82 Table number 0 is now free.
83 Number of Burgers: 1
84 Orders of Fries: 2
85 Orders of Coke: 1
86 Time Entered: 7 minute mark.
87 Time Seated: 40 minute mark.
88 Time Served: 46 minute mark.
89 Time Exited: 76 minute mark.