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1  input2.txt
2  =====
3  3
4  2
5  2
6  5,1,1,1
7  10,2,0,1
8  60,1,2,1
9
10 Output
11 =====
12 Number of Diners: 3
13 Number of Tables: 2
14 Number of Cooks: 2
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 0 is waiting because all order queues are empty.
21 00:00 : Cook 1 is waiting because all order queues are empty.
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 00:08 : Cook 1 has finished preparing 1 number of Friess of Diner 1
31 00:08 : Cook 1 uses the COKE machine for 1 number of COKEs of Diner 1
32 00:09 : Cook 1 has finished preparing 1 number of Cokes of Diner 1
33 00:09 : Cook 1 is waiting because all order queues are empty.
34 00:10 : Diner 1 has entered the restaurant. Diner will wait to be seated.
35 00:10 : Diner 1 is seated at Table 1
36         Diner will place the following orders.
37         Number of Burgers: 2
38         Orders of Fries: 0
39         Orders of Coke: 1
40 00:10 : Cook 1 uses the COKE machine for 1 number of COKEs of Diner 2
41 00:10 : Cook 0 has finished preparing 1 number of Burgers of Diner 1
42 00:10 : Cook 0 uses the BURGER machine for 2 number of BURGERS of Diner 2
43 00:10 : Diner 0's order is ready. Diner 0 will now begin eating.
44 00:11 : Cook 1 has finished preparing 1 number of Cokes of Diner 2
45 00:11 : Cook 1 is waiting because all order queues are empty.
46 00:20 : Cook 0 has finished preparing 2 number of Burgers of Diner 2
47 00:20 : Cook 0 is waiting because all order queues are empty.
48 00:20 : 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: 10 minute mark.
57         Time Exited: 40 minute mark.
58 00:50 : Diner Id: 1 has completed dining and is leaving the Restaurant.
59         Table number 1 is now free.
60         Number of Burgers: 2
61         Orders of Fries: 0
62         Orders of Coke: 1
63         Time Entered: 10 minute mark.
64         Time Seated: 10 minute mark.
65         Time Served: 20 minute mark.
66         Time Exited: 50 minute mark.
67 01:00 : Diner 2 has entered the restaurant. Diner will wait to be seated.
68 01:00 : Diner 2 is seated at Table 0
        Diner will place the following orders.
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69               Number of Burgers: 1  
70               Orders of Fries: 2  
71               Orders of Coke: 1  
72 01:00 : Cook 1 uses the BURGER machine for 1 number of BURGERS of Diner 3  
73 01:00 : Cook 0 uses the FRIES machine for 2 number of FRIESs of Diner 3  
74 01:05 : Cook 1 has finished preparing 1 number of Burgers of Diner 3  
75 01:05 : Cook 1 uses the COKE machine for 1 number of COKEs of Diner 3  
76 01:06 : Cook 0 has finished preparing 2 number of Friess of Diner 3  
77 01:06 : Cook 0 is waiting because all order queues are empty.  
78 01:06 : Cook 1 has finished preparing 1 number of Cokes of Diner 3  
79 01:06 : Cook 1 is waiting because all order queues are empty.  
80 01:06 : Diner 2's order is ready. Diner 2 will now begin eating.  
81 01:36 : 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: 60 minute mark.  
87               Time Seated: 60 minute mark.  
88               Time Served: 66 minute mark.  
89               Time Exited: 96 minute mark.