

**ĐẠI HỌC QUỐC GIA TP HỒ CHÍ MINH**

**TRƯỜNG ĐẠI HỌC BÁCH KHOA**



**THIẾT KẾ VÀ PHÁT TRIỂN ỨNG DỤNG IOT**  
**BÀI TẬP VỀ NHÀ: BROADCAST COMMUNICATION**

**LỚP L01 --- HK232**

**NGÀY NỘP: 04/02/2024**

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*Thành phố Hồ Chí Minh – 2024*

## 1. Đề bài

Modify the broadcast example with:

- Add sequence number to sent messages
- When a node receives a message, it increases the message counter of the sender by one. Hence, each node will have a array of senders' message counters.

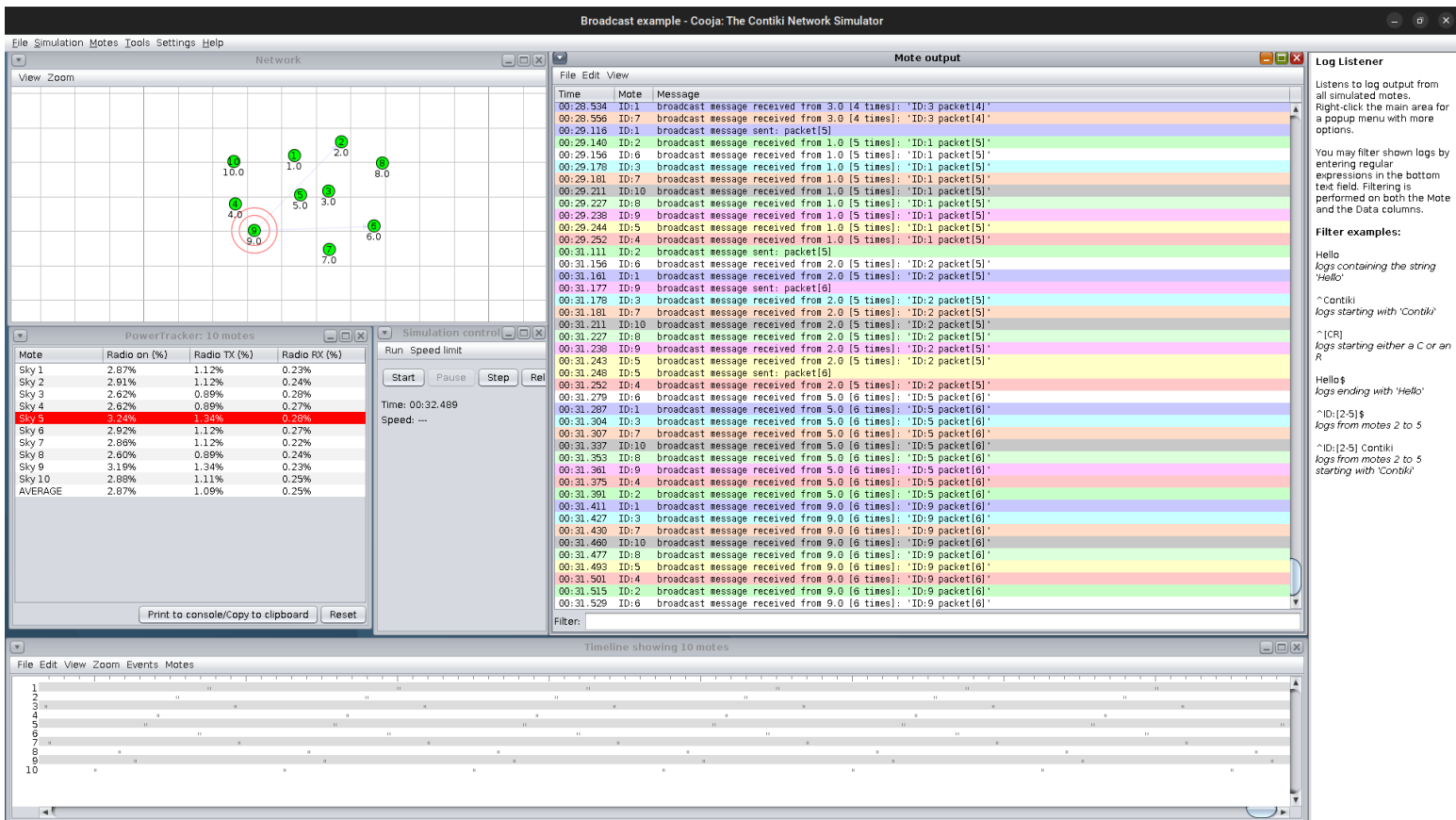
## 2. Bài làm

### 2.1. Code đã sửa

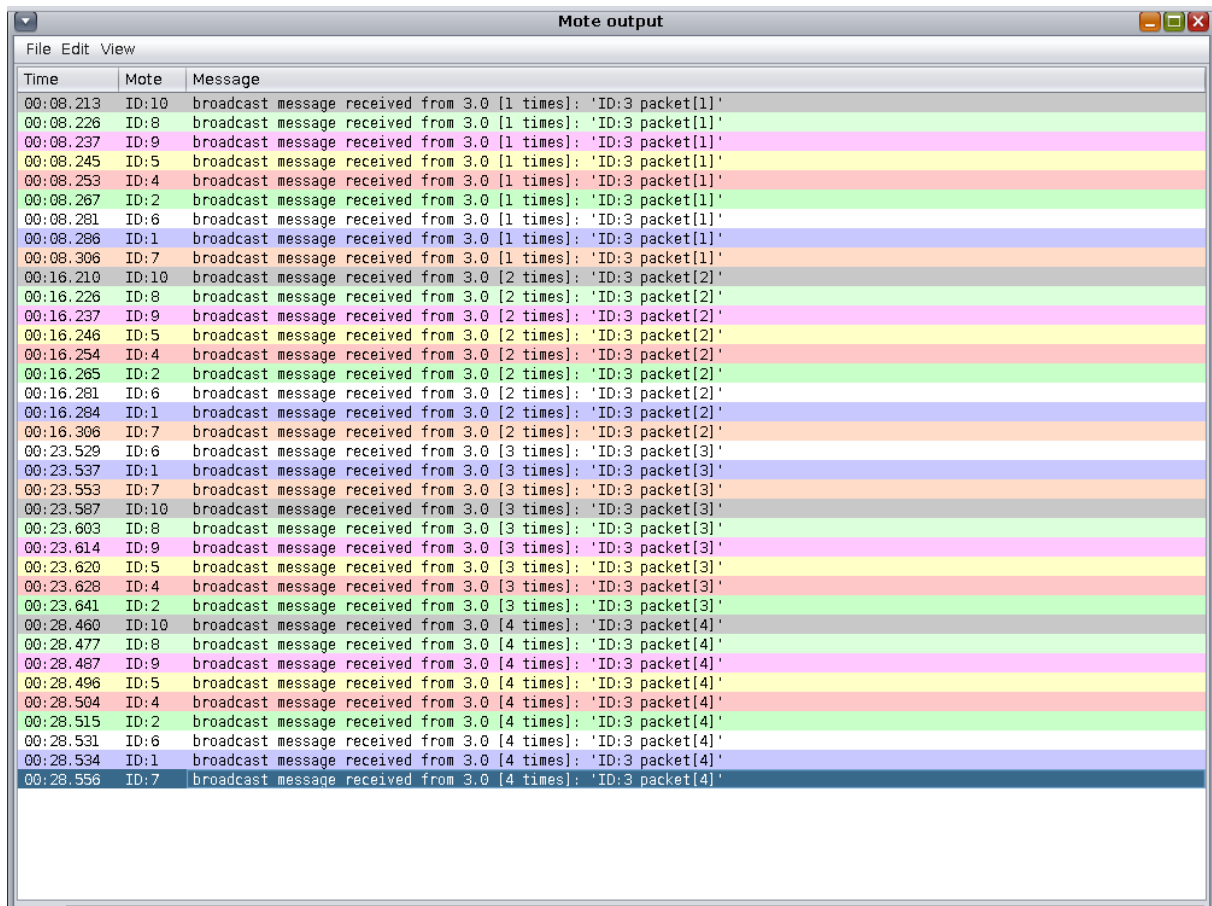
```
1  #include "contiki.h"
2  #include "net/rime/rime.h"
3  #include "random.h"
4
5  #include "dev/button-sensor.h"
6
7  #include "dev/leds.h"
8
9  #include <stdio.h>
10 #include <string.h>
11
12 #define MOTE_NUM 10    /* Number of Motes in Network */
13
14 static uint16_t packet_send_count = 1;    /* Number of packets sent */
15 /* Number of packet receive from all Mote */
16 static uint16_t packet_receive_count[MOTE_NUM] = {0};
17
18 /*-----*/
19 PROCESS(example_broadcast_process, "Broadcast example");
20 AUTOSTART_PROCESSES(&example_broadcast_process);
21 /*-----*/
22 static void
23 broadcast_rcv(struct broadcast_conn *c, const linkaddr_t *from)
24 {
25     packet_receive_count[from->u8[0] - 1]++;
26     printf("broadcast message received from %d.%d [%d times]: '%s'\n",
27           from->u8[0], from->u8[1], packet_receive_count[from->u8[0] - 1], (char *)packetbuf_dataptr());
28 }
29 static const struct broadcast_callbacks broadcast_call = {broadcast_rcv};
30 static struct broadcast_conn broadcast;
31 /*-----*/
32 PROCESS_THREAD(example_broadcast_process, ev, data)
33 {
34     static struct etimer et;
35
36     PROCESS_EXITHANDLER(broadcast_close(&broadcast));
37
38     PROCESS_BEGIN();
39
40     broadcast_open(&broadcast, 129, &broadcast_call);
41
42     while(1) {
43
44         /* Delay 2-4 seconds */
45         etimer_set(&et, CLOCK_SECOND * 4 + random_rand() % (CLOCK_SECOND * 4));
46
47         PROCESS_WAIT_EVENT_UNTIL(etimer_expired(&et));
48
49         char message_send[20];
50         sprintf(message_send, "ID:%d packet[%d]", linkaddr_node_addr.u8[0], packet_send_count++);
51         packetbuf_copyfrom(message_send, sizeof(message_send));
52         broadcast_send(&broadcast);
53         printf("broadcast message sent: packet[%d]\n", (packet_send_count-1));
54     }
55
56     PROCESS_END();
57 }
58 /*-----*/
59
```

## 2.2. Kết quả trong mô phỏng bằng tool cooja

### 2.2.1. Giao diện kết quả khi run



### 2.2.2. Kết quả được hiển thị trên cửa sổ Mote output



### 2.2.3. Lọc kiểm tra kết quả mà Mote ID:3 gửi và nhận được từ các mote khác

Mote output		
Time	Mote	Message
00:01.158	ID:3	Rime started with address 3.0
00:01.167	ID:3	MAC 03:00:00:00:00:00 Contiki-3.x-3345-g32b5b17f6 started. Node id is set to 3.
00:01.176	ID:3	nullsec CSMA ContikiMAC, channel check rate 8 Hz, radio channel 26
00:01.178	ID:3	Starting 'Broadcast example'
00:05.178	ID:3	broadcast message received from 9.0 [1 times]: 'ID:9 packet[1]'
00:05.806	ID:3	broadcast message received from 5.0 [1 times]: 'ID:5 packet[1]'
00:05.928	ID:3	broadcast message received from 10.0 [1 times]: 'ID:10 packet[1]'
00:06.179	ID:3	broadcast message received from 6.0 [1 times]: 'ID:6 packet[1]'
00:06.804	ID:3	broadcast message received from 2.0 [1 times]: 'ID:2 packet[1]'
00:07.179	ID:3	broadcast message received from 7.0 [1 times]: 'ID:7 packet[1]'
00:07.679	ID:3	broadcast message received from 8.0 [1 times]: 'ID:8 packet[1]'
00:07.928	ID:3	broadcast message received from 1.0 [1 times]: 'ID:1 packet[1]'
00:08.180	ID:3	broadcast message sent: packet[1]
00:08.213	ID:10	broadcast message received from 3.0 [1 times]: 'ID:3 packet[1]'
00:08.226	ID:8	broadcast message received from 3.0 [1 times]: 'ID:3 packet[1]'
00:08.237	ID:9	broadcast message received from 3.0 [1 times]: 'ID:3 packet[1]'
00:08.245	ID:5	broadcast message received from 3.0 [1 times]: 'ID:3 packet[1]'
00:08.253	ID:4	broadcast message received from 3.0 [1 times]: 'ID:3 packet[1]'
00:08.267	ID:2	broadcast message received from 3.0 [1 times]: 'ID:3 packet[1]'
00:08.281	ID:6	broadcast message received from 3.0 [1 times]: 'ID:3 packet[1]'
00:08.286	ID:1	broadcast message received from 3.0 [1 times]: 'ID:3 packet[1]'
00:08.306	ID:7	broadcast message received from 3.0 [1 times]: 'ID:3 packet[1]'
00:08.554	ID:3	broadcast message received from 4.0 [1 times]: 'ID:4 packet[1]'
00:09.679	ID:3	broadcast message received from 9.0 [2 times]: 'ID:9 packet[2]'
00:10.429	ID:3	broadcast message received from 6.0 [2 times]: 'ID:6 packet[2]'
00:11.178	ID:3	broadcast message received from 1.0 [2 times]: 'ID:1 packet[2]'
00:11.803	ID:3	broadcast message received from 10.0 [2 times]: 'ID:10 packet[2]'
00:12.554	ID:3	broadcast message received from 5.0 [2 times]: 'ID:5 packet[2]'
00:12.805	ID:3	broadcast message received from 7.0 [2 times]: 'ID:7 packet[2]'
00:13.303	ID:3	broadcast message received from 2.0 [2 times]: 'ID:2 packet[2]'
00:13.930	ID:3	broadcast message received from 4.0 [2 times]: 'ID:4 packet[2]'
00:14.805	ID:3	broadcast message received from 8.0 [2 times]: 'ID:8 packet[2]'
00:15.178	ID:3	broadcast message received from 6.0 [3 times]: 'ID:6 packet[3]'
00:15.805	ID:3	broadcast message received from 9.0 [3 times]: 'ID:9 packet[3]'
00:16.164	ID:3	broadcast message sent: packet[2]
00:16.210	ID:10	broadcast message received from 3.0 [2 times]: 'ID:3 packet[2]'
00:16.226	ID:8	broadcast message received from 3.0 [2 times]: 'ID:3 packet[2]'
00:16.237	ID:9	broadcast message received from 3.0 [2 times]: 'ID:3 packet[2]'
00:16.246	ID:5	broadcast message received from 3.0 [2 times]: 'ID:3 packet[2]'
00:16.254	ID:4	broadcast message received from 3.0 [2 times]: 'ID:3 packet[2]'
00:16.265	ID:2	broadcast message received from 3.0 [2 times]: 'ID:3 packet[2]'
00:16.281	ID:6	broadcast message received from 3.0 [2 times]: 'ID:3 packet[2]'
00:16.284	ID:1	broadcast message received from 3.0 [2 times]: 'ID:3 packet[2]'
00:16.306	ID:7	broadcast message received from 3.0 [2 times]: 'ID:3 packet[2]'
00:16.430	ID:3	broadcast message received from 10.0 [3 times]: 'ID:10 packet[3]'
00:16.928	ID:3	broadcast message received from 5.0 [3 times]: 'ID:5 packet[3]'
00:18.055	ID:3	broadcast message received from 7.0 [3 times]: 'ID:7 packet[3]'
00:18.928	ID:3	broadcast message received from 1.0 [3 times]: 'ID:1 packet[3]'
00:19.928	ID:3	broadcast message received from 6.0 [4 times]: 'ID:6 packet[4]'
00:20.178	ID:3	broadcast message received from 2.0 [3 times]: 'ID:2 packet[3]'
00:20.430	ID:3	broadcast message received from 9.0 [4 times]: 'ID:9 packet[4]'
00:20.677	ID:3	broadcast message received from 8.0 [3 times]: 'ID:8 packet[3]'
00:21.678	ID:3	broadcast message received from 5.0 [4 times]: 'ID:5 packet[4]'
00:21.930	ID:3	broadcast message received from 4.0 [3 times]: 'ID:4 packet[3]'
00:22.678	ID:3	broadcast message received from 10.0 [4 times]: 'ID:10 packet[4]'
00:22.928	ID:3	broadcast message received from 7.0 [4 times]: 'ID:7 packet[4]'
00:23.305	ID:3	broadcast message received from 1.0 [4 times]: 'ID:1 packet[4]'

Filter: ID:3

#### 2.2.4. Dữ liệu được in ra từ cửa sổ Mote output

00:00.331	ID:8	Rime started with address 8.0
00:00.341	ID:8	MAC 08:00:00:00:00:00:00:00 Contiki-3.x-3345-g32b5b17f6 started.
Node id is set to 8.		
00:00.350	ID:8	nullsec CSMA ContikiMAC, channel check rate 8 Hz, radio channel 26
00:00.352	ID:8	Starting 'Broadcast example'
00:00.495	ID:2	Rime started with address 2.0
00:00.504	ID:2	MAC 02:00:00:00:00:00:00:00 Contiki-3.x-3345-g32b5b17f6 started.
Node id is set to 2.		
00:00.509	ID:6	Rime started with address 6.0
00:00.513	ID:2	nullsec CSMA ContikiMAC, channel check rate 8 Hz, radio channel 26
00:00.515	ID:2	Starting 'Broadcast example'
00:00.518	ID:6	MAC 06:00:00:00:00:00:00:00 Contiki-3.x-3345-g32b5b17f6 started.
Node id is set to 6.		
00:00.528	ID:6	nullsec CSMA ContikiMAC, channel check rate 8 Hz, radio channel 26
00:00.530	ID:6	Starting 'Broadcast example'
00:00.607	ID:4	Rime started with address 4.0
00:00.616	ID:4	MAC 04:00:00:00:00:00:00:00 Contiki-3.x-3345-g32b5b17f6 started.
Node id is set to 4.		
00:00.625	ID:4	nullsec CSMA ContikiMAC, channel check rate 8 Hz, radio channel 26
00:00.627	ID:4	Starting 'Broadcast example'
00:00.641	ID:1	Rime started with address 1.0
00:00.650	ID:1	MAC 01:00:00:00:00:00:00:00 Contiki-3.x-3345-g32b5b17f6 started.
Node id is set to 1.		
00:00.659	ID:1	nullsec CSMA ContikiMAC, channel check rate 8 Hz, radio channel 26
00:00.660	ID:7	Rime started with address 7.0
00:00.661	ID:1	Starting 'Broadcast example'
00:00.670	ID:7	MAC 07:00:00:00:00:00:00:00 Contiki-3.x-3345-g32b5b17f6 started.
Node id is set to 7.		
00:00.679	ID:7	nullsec CSMA ContikiMAC, channel check rate 8 Hz, radio channel 26
00:00.681	ID:7	Starting 'Broadcast example'
00:00.815	ID:10	Rime started with address 10.0
00:00.825	ID:10	MAC 0a:00:00:00:00:00:00:00 Contiki-3.x-3345-g32b5b17f6 started.
Node id is set to 10.		
00:00.834	ID:10	nullsec CSMA ContikiMAC, channel check rate 8 Hz, radio channel 26
00:00.836	ID:10	Starting 'Broadcast example'
00:00.967	ID:9	Rime started with address 9.0

00:00.974	ID:5	Rime started with address 5.0
00:00.976	ID:9	MAC 09:00:00:00:00:00:00:00 Contiki-3.x-3345-g32b5b17f6 started.
Node id is set to 9.		
00:00.983	ID:5	MAC 05:00:00:00:00:00:00:00 Contiki-3.x-3345-g32b5b17f6 started.
Node id is set to 5.		
00:00.985	ID:9	nullsec CSMA ContikiMAC, channel check rate 8 Hz, radio channel 26
00:00.988	ID:9	Starting 'Broadcast example'
00:00.992	ID:5	nullsec CSMA ContikiMAC, channel check rate 8 Hz, radio channel 26
00:00.994	ID:5	Starting 'Broadcast example'
00:01.158	ID:3	Rime started with address 3.0
00:01.167	ID:3	MAC 03:00:00:00:00:00:00:00 Contiki-3.x-3345-g32b5b17f6 started.
Node id is set to 3.		
00:01.176	ID:3	nullsec CSMA ContikiMAC, channel check rate 8 Hz, radio channel 26
00:01.178	ID:3	Starting 'Broadcast example'
00:05.099	ID:9	broadcast message sent: packet[1]
00:05.120	ID:5	broadcast message received from 9.0 [1 times]: 'ID:9 packet[1]'
00:05.129	ID:4	broadcast message received from 9.0 [1 times]: 'ID:9 packet[1]'
00:05.140	ID:2	broadcast message received from 9.0 [1 times]: 'ID:9 packet[1]'
00:05.156	ID:6	broadcast message received from 9.0 [1 times]: 'ID:9 packet[1]'
00:05.161	ID:1	broadcast message received from 9.0 [1 times]: 'ID:9 packet[1]'
00:05.178	ID:3	broadcast message received from 9.0 [1 times]: 'ID:9 packet[1]'
00:05.181	ID:7	broadcast message received from 9.0 [1 times]: 'ID:9 packet[1]'
00:05.211	ID:10	broadcast message received from 9.0 [1 times]: 'ID:9 packet[1]'
00:05.227	ID:8	broadcast message received from 9.0 [1 times]: 'ID:9 packet[1]'
00:05.699	ID:5	broadcast message sent: packet[1]
00:05.729	ID:8	broadcast message received from 5.0 [1 times]: 'ID:5 packet[1]'
00:05.737	ID:9	broadcast message received from 5.0 [1 times]: 'ID:5 packet[1]'
00:05.751	ID:4	broadcast message received from 5.0 [1 times]: 'ID:5 packet[1]'
00:05.767	ID:2	broadcast message received from 5.0 [1 times]: 'ID:5 packet[1]'
00:05.778	ID:6	broadcast message received from 5.0 [1 times]: 'ID:5 packet[1]'
00:05.786	ID:1	broadcast message received from 5.0 [1 times]: 'ID:5 packet[1]'
00:05.798	ID:10	broadcast message sent: packet[1]
00:05.805	ID:7	broadcast message received from 5.0 [1 times]: 'ID:5 packet[1]'
00:05.806	ID:3	broadcast message received from 5.0 [1 times]: 'ID:5 packet[1]'
00:05.835	ID:10	broadcast message received from 5.0 [1 times]: 'ID:5 packet[1]'
00:05.879	ID:4	broadcast message received from 10.0 [1 times]: 'ID:10 packet[1]'

00:05.890	ID:2	broadcast message received from 10.0 [1 times]: 'ID:10 packet[1]'
00:05.906	ID:6	broadcast message received from 10.0 [1 times]: 'ID:10 packet[1]'
00:05.912	ID:1	broadcast message received from 10.0 [1 times]: 'ID:10 packet[1]'
00:05.928	ID:3	broadcast message received from 10.0 [1 times]: 'ID:10 packet[1]'
00:05.931	ID:7	broadcast message received from 10.0 [1 times]: 'ID:10 packet[1]'
00:05.960	ID:1	broadcast message sent: packet[1]
00:05.978	ID:8	broadcast message received from 10.0 [1 times]: 'ID:10 packet[1]'
00:05.986	ID:9	broadcast message received from 10.0 [1 times]: 'ID:10 packet[1]'
00:05.994	ID:5	broadcast message received from 10.0 [1 times]: 'ID:10 packet[1]'
00:06.086	ID:6	broadcast message sent: packet[1]
00:06.113	ID:9	broadcast message received from 6.0 [1 times]: 'ID:6 packet[1]'
00:06.121	ID:5	broadcast message received from 6.0 [1 times]: 'ID:6 packet[1]'
00:06.129	ID:4	broadcast message received from 6.0 [1 times]: 'ID:6 packet[1]'
00:06.140	ID:2	broadcast message received from 6.0 [1 times]: 'ID:6 packet[1]'
00:06.159	ID:1	broadcast message received from 6.0 [1 times]: 'ID:6 packet[1]'
00:06.179	ID:3	broadcast message received from 6.0 [1 times]: 'ID:6 packet[1]'
00:06.181	ID:7	broadcast message received from 6.0 [1 times]: 'ID:6 packet[1]'
00:06.212	ID:10	broadcast message received from 6.0 [1 times]: 'ID:6 packet[1]'
00:06.228	ID:8	broadcast message received from 6.0 [1 times]: 'ID:6 packet[1]'
00:06.665	ID:2	broadcast message sent: packet[1]
00:06.711	ID:10	broadcast message received from 2.0 [1 times]: 'ID:2 packet[1]'
00:06.727	ID:8	broadcast message received from 2.0 [1 times]: 'ID:2 packet[1]'
00:06.738	ID:9	broadcast message received from 2.0 [1 times]: 'ID:2 packet[1]'
00:06.744	ID:5	broadcast message received from 2.0 [1 times]: 'ID:2 packet[1]'
00:06.752	ID:4	broadcast message received from 2.0 [1 times]: 'ID:2 packet[1]'
00:06.779	ID:6	broadcast message received from 2.0 [1 times]: 'ID:2 packet[1]'
00:06.788	ID:1	broadcast message received from 2.0 [1 times]: 'ID:2 packet[1]'
00:06.804	ID:3	broadcast message received from 2.0 [1 times]: 'ID:2 packet[1]'
00:06.804	ID:7	broadcast message received from 2.0 [1 times]: 'ID:2 packet[1]'
00:07.089	ID:7	broadcast message sent: packet[1]
00:07.113	ID:9	broadcast message received from 7.0 [1 times]: 'ID:7 packet[1]'
00:07.119	ID:5	broadcast message received from 7.0 [1 times]: 'ID:7 packet[1]'
00:07.130	ID:4	broadcast message received from 7.0 [1 times]: 'ID:7 packet[1]'
00:07.140	ID:2	broadcast message received from 7.0 [1 times]: 'ID:7 packet[1]'
00:07.157	ID:6	broadcast message received from 7.0 [1 times]: 'ID:7 packet[1]'



00:07.159	ID:1	broadcast message received from 7.0 [1 times]: 'ID:7 packet[1]'
00:07.179	ID:3	broadcast message received from 7.0 [1 times]: 'ID:7 packet[1]'
00:07.211	ID:10	broadcast message received from 7.0 [1 times]: 'ID:7 packet[1]'
00:07.228	ID:8	broadcast message received from 7.0 [1 times]: 'ID:7 packet[1]'
00:07.611	ID:8	broadcast message sent: packet[1]
00:07.641	ID:2	broadcast message received from 8.0 [1 times]: 'ID:8 packet[1]'
00:07.655	ID:6	broadcast message received from 8.0 [1 times]: 'ID:8 packet[1]'
00:07.663	ID:1	broadcast message received from 8.0 [1 times]: 'ID:8 packet[1]'
00:07.679	ID:3	broadcast message received from 8.0 [1 times]: 'ID:8 packet[1]'
00:07.682	ID:7	broadcast message received from 8.0 [1 times]: 'ID:8 packet[1]'
00:07.712	ID:10	broadcast message received from 8.0 [1 times]: 'ID:8 packet[1]'
00:07.737	ID:9	broadcast message received from 8.0 [1 times]: 'ID:8 packet[1]'
00:07.745	ID:5	broadcast message received from 8.0 [1 times]: 'ID:8 packet[1]'
00:07.753	ID:4	broadcast message received from 8.0 [1 times]: 'ID:8 packet[1]'
00:07.838	ID:10	broadcast message received from 1.0 [1 times]: 'ID:1 packet[1]'
00:07.852	ID:8	broadcast message received from 1.0 [1 times]: 'ID:1 packet[1]'
00:07.862	ID:9	broadcast message received from 1.0 [1 times]: 'ID:1 packet[1]'
00:07.871	ID:5	broadcast message received from 1.0 [1 times]: 'ID:1 packet[1]'
00:07.879	ID:4	broadcast message received from 1.0 [1 times]: 'ID:1 packet[1]'
00:07.890	ID:2	broadcast message received from 1.0 [1 times]: 'ID:1 packet[1]'
00:07.906	ID:6	broadcast message received from 1.0 [1 times]: 'ID:1 packet[1]'
00:07.928	ID:3	broadcast message received from 1.0 [1 times]: 'ID:1 packet[1]'
00:07.931	ID:7	broadcast message received from 1.0 [1 times]: 'ID:1 packet[1]'
00:08.180	ID:3	broadcast message sent: packet[1]
00:08.213	ID:10	broadcast message received from 3.0 [1 times]: 'ID:3 packet[1]'
00:08.226	ID:8	broadcast message received from 3.0 [1 times]: 'ID:3 packet[1]'
00:08.237	ID:9	broadcast message received from 3.0 [1 times]: 'ID:3 packet[1]'
00:08.245	ID:5	broadcast message received from 3.0 [1 times]: 'ID:3 packet[1]'
00:08.253	ID:4	broadcast message received from 3.0 [1 times]: 'ID:3 packet[1]'
00:08.267	ID:2	broadcast message received from 3.0 [1 times]: 'ID:3 packet[1]'
00:08.281	ID:6	broadcast message received from 3.0 [1 times]: 'ID:3 packet[1]'
00:08.286	ID:1	broadcast message received from 3.0 [1 times]: 'ID:3 packet[1]'
00:08.306	ID:7	broadcast message received from 3.0 [1 times]: 'ID:3 packet[1]'
00:08.480	ID:4	broadcast message sent: packet[1]
00:08.516	ID:2	broadcast message received from 4.0 [1 times]: 'ID:4 packet[1]'

00:08.529	ID:6	broadcast message received from 4.0 [1 times]: 'ID:4 packet[1]'
00:08.537	ID:1	broadcast message received from 4.0 [1 times]: 'ID:4 packet[1]'
00:08.554	ID:3	broadcast message received from 4.0 [1 times]: 'ID:4 packet[1]'
00:08.554	ID:7	broadcast message received from 4.0 [1 times]: 'ID:4 packet[1]'
00:08.587	ID:10	broadcast message received from 4.0 [1 times]: 'ID:4 packet[1]'
00:08.603	ID:8	broadcast message received from 4.0 [1 times]: 'ID:4 packet[1]'
00:08.615	ID:9	broadcast message received from 4.0 [1 times]: 'ID:4 packet[1]'
00:08.620	ID:5	broadcast message received from 4.0 [1 times]: 'ID:4 packet[1]'
00:09.567	ID:9	broadcast message sent: packet[2]
00:09.602	ID:8	broadcast message received from 9.0 [2 times]: 'ID:9 packet[2]'
00:09.618	ID:5	broadcast message received from 9.0 [2 times]: 'ID:9 packet[2]'
00:09.627	ID:4	broadcast message received from 9.0 [2 times]: 'ID:9 packet[2]'
00:09.640	ID:2	broadcast message received from 9.0 [2 times]: 'ID:9 packet[2]'
00:09.654	ID:6	broadcast message received from 9.0 [2 times]: 'ID:9 packet[2]'
00:09.662	ID:1	broadcast message received from 9.0 [2 times]: 'ID:9 packet[2]'
00:09.678	ID:7	broadcast message received from 9.0 [2 times]: 'ID:9 packet[2]'
00:09.679	ID:3	broadcast message received from 9.0 [2 times]: 'ID:9 packet[2]'
00:09.711	ID:10	broadcast message received from 9.0 [2 times]: 'ID:9 packet[2]'
00:10.313	ID:6	broadcast message sent: packet[2]
00:10.336	ID:10	broadcast message received from 6.0 [2 times]: 'ID:6 packet[2]'
00:10.352	ID:8	broadcast message received from 6.0 [2 times]: 'ID:6 packet[2]'
00:10.363	ID:9	broadcast message received from 6.0 [2 times]: 'ID:6 packet[2]'
00:10.369	ID:5	broadcast message received from 6.0 [2 times]: 'ID:6 packet[2]'
00:10.377	ID:4	broadcast message received from 6.0 [2 times]: 'ID:6 packet[2]'
00:10.391	ID:2	broadcast message received from 6.0 [2 times]: 'ID:6 packet[2]'
00:10.412	ID:1	broadcast message received from 6.0 [2 times]: 'ID:6 packet[2]'
00:10.429	ID:3	broadcast message received from 6.0 [2 times]: 'ID:6 packet[2]'
00:10.432	ID:7	broadcast message received from 6.0 [2 times]: 'ID:6 packet[2]'
00:11.116	ID:1	broadcast message sent: packet[2]
00:11.139	ID:2	broadcast message received from 1.0 [2 times]: 'ID:1 packet[2]'
00:11.156	ID:6	broadcast message received from 1.0 [2 times]: 'ID:1 packet[2]'
00:11.178	ID:3	broadcast message received from 1.0 [2 times]: 'ID:1 packet[2]'
00:11.180	ID:7	broadcast message received from 1.0 [2 times]: 'ID:1 packet[2]'
00:11.211	ID:10	broadcast message received from 1.0 [2 times]: 'ID:1 packet[2]'
00:11.227	ID:8	broadcast message received from 1.0 [2 times]: 'ID:1 packet[2]'

00:11.238	ID:9	broadcast message received from 1.0 [2 times]: 'ID:1 packet[2]'
00:11.243	ID:5	broadcast message received from 1.0 [2 times]: 'ID:1 packet[2]'
00:11.252	ID:4	broadcast message received from 1.0 [2 times]: 'ID:1 packet[2]'
00:11.681	ID:10	broadcast message sent: packet[2]
00:11.727	ID:8	broadcast message received from 10.0 [2 times]: 'ID:10 packet[2]'
00:11.738	ID:9	broadcast message received from 10.0 [2 times]: 'ID:10 packet[2]'
00:11.746	ID:5	broadcast message received from 10.0 [2 times]: 'ID:10 packet[2]'
00:11.754	ID:4	broadcast message received from 10.0 [2 times]: 'ID:10 packet[2]'
00:11.765	ID:2	broadcast message received from 10.0 [2 times]: 'ID:10 packet[2]'
00:11.782	ID:6	broadcast message received from 10.0 [2 times]: 'ID:10 packet[2]'
00:11.784	ID:1	broadcast message received from 10.0 [2 times]: 'ID:10 packet[2]'
00:11.803	ID:3	broadcast message received from 10.0 [2 times]: 'ID:10 packet[2]'
00:11.806	ID:7	broadcast message received from 10.0 [2 times]: 'ID:10 packet[2]'
00:12.511	ID:5	broadcast message sent: packet[2]
00:12.538	ID:1	broadcast message received from 5.0 [2 times]: 'ID:5 packet[2]'
00:12.554	ID:3	broadcast message received from 5.0 [2 times]: 'ID:5 packet[2]'
00:12.557	ID:7	broadcast message received from 5.0 [2 times]: 'ID:5 packet[2]'
00:12.587	ID:10	broadcast message received from 5.0 [2 times]: 'ID:5 packet[2]'
00:12.603	ID:8	broadcast message received from 5.0 [2 times]: 'ID:5 packet[2]'
00:12.612	ID:9	broadcast message received from 5.0 [2 times]: 'ID:5 packet[2]'
00:12.628	ID:4	broadcast message received from 5.0 [2 times]: 'ID:5 packet[2]'
00:12.642	ID:2	broadcast message received from 5.0 [2 times]: 'ID:5 packet[2]'
00:12.656	ID:6	broadcast message received from 5.0 [2 times]: 'ID:5 packet[2]'
00:12.729	ID:7	broadcast message sent: packet[2]
00:12.750	ID:4	broadcast message received from 7.0 [2 times]: 'ID:7 packet[2]'
00:12.766	ID:2	broadcast message received from 7.0 [2 times]: 'ID:7 packet[2]'
00:12.780	ID:6	broadcast message received from 7.0 [2 times]: 'ID:7 packet[2]'
00:12.786	ID:1	broadcast message received from 7.0 [2 times]: 'ID:7 packet[2]'
00:12.805	ID:3	broadcast message received from 7.0 [2 times]: 'ID:7 packet[2]'
00:12.835	ID:10	broadcast message received from 7.0 [2 times]: 'ID:7 packet[2]'
00:12.852	ID:8	broadcast message received from 7.0 [2 times]: 'ID:7 packet[2]'
00:12.862	ID:9	broadcast message received from 7.0 [2 times]: 'ID:7 packet[2]'
00:12.871	ID:5	broadcast message received from 7.0 [2 times]: 'ID:7 packet[2]'
00:13.236	ID:2	broadcast message sent: packet[2]
00:13.281	ID:6	broadcast message received from 2.0 [2 times]: 'ID:2 packet[2]'

00:13.286	ID:1	broadcast message received from 2.0 [2 times]: 'ID:2 packet[2]'
00:13.303	ID:3	broadcast message received from 2.0 [2 times]: 'ID:2 packet[2]'
00:13.306	ID:7	broadcast message received from 2.0 [2 times]: 'ID:2 packet[2]'
00:13.336	ID:10	broadcast message received from 2.0 [2 times]: 'ID:2 packet[2]'
00:13.352	ID:8	broadcast message received from 2.0 [2 times]: 'ID:2 packet[2]'
00:13.363	ID:9	broadcast message received from 2.0 [2 times]: 'ID:2 packet[2]'
00:13.369	ID:5	broadcast message received from 2.0 [2 times]: 'ID:2 packet[2]'
00:13.377	ID:4	broadcast message received from 2.0 [2 times]: 'ID:2 packet[2]'
00:13.879	ID:4	broadcast message sent: packet[2]
00:13.905	ID:6	broadcast message received from 4.0 [2 times]: 'ID:4 packet[2]'
00:13.911	ID:1	broadcast message received from 4.0 [2 times]: 'ID:4 packet[2]'
00:13.930	ID:7	broadcast message received from 4.0 [2 times]: 'ID:4 packet[2]'
00:13.930	ID:3	broadcast message received from 4.0 [2 times]: 'ID:4 packet[2]'
00:13.960	ID:10	broadcast message received from 4.0 [2 times]: 'ID:4 packet[2]'
00:13.976	ID:8	broadcast message received from 4.0 [2 times]: 'ID:4 packet[2]'
00:13.987	ID:9	broadcast message received from 4.0 [2 times]: 'ID:4 packet[2]'
00:13.995	ID:5	broadcast message received from 4.0 [2 times]: 'ID:4 packet[2]'
00:14.015	ID:2	broadcast message received from 4.0 [2 times]: 'ID:4 packet[2]'
00:14.666	ID:8	broadcast message sent: packet[2]
00:14.711	ID:10	broadcast message received from 8.0 [2 times]: 'ID:8 packet[2]'
00:14.739	ID:9	broadcast message received from 8.0 [2 times]: 'ID:8 packet[2]'
00:14.744	ID:5	broadcast message received from 8.0 [2 times]: 'ID:8 packet[2]'
00:14.753	ID:4	broadcast message received from 8.0 [2 times]: 'ID:8 packet[2]'
00:14.766	ID:2	broadcast message received from 8.0 [2 times]: 'ID:8 packet[2]'
00:14.780	ID:6	broadcast message received from 8.0 [2 times]: 'ID:8 packet[2]'
00:14.786	ID:1	broadcast message received from 8.0 [2 times]: 'ID:8 packet[2]'
00:14.805	ID:3	broadcast message received from 8.0 [2 times]: 'ID:8 packet[2]'
00:15.086	ID:6	broadcast message sent: packet[3]
00:15.112	ID:9	broadcast message received from 6.0 [3 times]: 'ID:6 packet[3]'
00:15.120	ID:5	broadcast message received from 6.0 [3 times]: 'ID:6 packet[3]'
00:15.128	ID:4	broadcast message received from 6.0 [3 times]: 'ID:6 packet[3]'
00:15.139	ID:2	broadcast message received from 6.0 [3 times]: 'ID:6 packet[3]'
00:15.159	ID:1	broadcast message received from 6.0 [3 times]: 'ID:6 packet[3]'
00:15.177	ID:7	broadcast message received from 8.0 [2 times]: 'ID:8 packet[2]'
00:15.178	ID:3	broadcast message received from 6.0 [3 times]: 'ID:6 packet[3]'

00:15.211	ID:10	broadcast message received from 6.0 [3 times]: 'ID:6 packet[3]'
00:15.227	ID:8	broadcast message received from 6.0 [3 times]: 'ID:6 packet[3]'
00:15.770	ID:9	broadcast message sent: packet[3]
00:15.805	ID:3	broadcast message received from 9.0 [3 times]: 'ID:9 packet[3]'
00:15.805	ID:7	broadcast message received from 9.0 [3 times]: 'ID:9 packet[3]'
00:15.835	ID:10	broadcast message received from 9.0 [3 times]: 'ID:9 packet[3]'
00:15.851	ID:8	broadcast message received from 9.0 [3 times]: 'ID:9 packet[3]'
00:15.870	ID:5	broadcast message received from 9.0 [3 times]: 'ID:9 packet[3]'
00:15.879	ID:4	broadcast message received from 9.0 [3 times]: 'ID:9 packet[3]'
00:15.890	ID:2	broadcast message received from 9.0 [3 times]: 'ID:9 packet[3]'
00:15.906	ID:6	broadcast message received from 9.0 [3 times]: 'ID:9 packet[3]'
00:15.911	ID:1	broadcast message received from 9.0 [3 times]: 'ID:9 packet[3]'
00:16.164	ID:3	broadcast message sent: packet[2]
00:16.210	ID:10	broadcast message received from 3.0 [2 times]: 'ID:3 packet[2]'
00:16.214	ID:10	broadcast message sent: packet[3]
00:16.226	ID:8	broadcast message received from 3.0 [2 times]: 'ID:3 packet[2]'
00:16.237	ID:9	broadcast message received from 3.0 [2 times]: 'ID:3 packet[2]'
00:16.246	ID:5	broadcast message received from 3.0 [2 times]: 'ID:3 packet[2]'
00:16.254	ID:4	broadcast message received from 3.0 [2 times]: 'ID:3 packet[2]'
00:16.265	ID:2	broadcast message received from 3.0 [2 times]: 'ID:3 packet[2]'
00:16.281	ID:6	broadcast message received from 3.0 [2 times]: 'ID:3 packet[2]'
00:16.284	ID:1	broadcast message received from 3.0 [2 times]: 'ID:3 packet[2]'
00:16.306	ID:7	broadcast message received from 3.0 [2 times]: 'ID:3 packet[2]'
00:16.405	ID:6	broadcast message received from 10.0 [3 times]: 'ID:10 packet[3]'
00:16.411	ID:1	broadcast message received from 10.0 [3 times]: 'ID:10 packet[3]'
00:16.430	ID:3	broadcast message received from 10.0 [3 times]: 'ID:10 packet[3]'
00:16.433	ID:7	broadcast message received from 10.0 [3 times]: 'ID:10 packet[3]'
00:16.477	ID:8	broadcast message received from 10.0 [3 times]: 'ID:10 packet[3]'
00:16.488	ID:9	broadcast message received from 10.0 [3 times]: 'ID:10 packet[3]'
00:16.496	ID:5	broadcast message received from 10.0 [3 times]: 'ID:10 packet[3]'
00:16.504	ID:4	broadcast message received from 10.0 [3 times]: 'ID:10 packet[3]'
00:16.515	ID:2	broadcast message received from 10.0 [3 times]: 'ID:10 packet[3]'
00:16.808	ID:5	broadcast message sent: packet[3]
00:16.837	ID:10	broadcast message received from 5.0 [3 times]: 'ID:5 packet[3]'
00:16.851	ID:8	broadcast message received from 5.0 [3 times]: 'ID:5 packet[3]'

00:16.862	ID:9	broadcast message received from 5.0 [3 times]: 'ID:5 packet[3]'
00:16.879	ID:4	broadcast message received from 5.0 [3 times]: 'ID:5 packet[3]'
00:16.890	ID:2	broadcast message received from 5.0 [3 times]: 'ID:5 packet[3]'
00:16.906	ID:6	broadcast message received from 5.0 [3 times]: 'ID:5 packet[3]'
00:16.911	ID:1	broadcast message received from 5.0 [3 times]: 'ID:5 packet[3]'
00:16.928	ID:3	broadcast message received from 5.0 [3 times]: 'ID:5 packet[3]'
00:16.931	ID:7	broadcast message received from 5.0 [3 times]: 'ID:5 packet[3]'
00:17.979	ID:7	broadcast message sent: packet[3]
00:18.000	ID:4	broadcast message received from 7.0 [3 times]: 'ID:7 packet[3]'
00:18.016	ID:2	broadcast message received from 7.0 [3 times]: 'ID:7 packet[3]'
00:18.027	ID:6	broadcast message received from 7.0 [3 times]: 'ID:7 packet[3]'
00:18.036	ID:1	broadcast message received from 7.0 [3 times]: 'ID:7 packet[3]'
00:18.055	ID:3	broadcast message received from 7.0 [3 times]: 'ID:7 packet[3]'
00:18.085	ID:10	broadcast message received from 7.0 [3 times]: 'ID:7 packet[3]'
00:18.102	ID:8	broadcast message received from 7.0 [3 times]: 'ID:7 packet[3]'
00:18.112	ID:9	broadcast message received from 7.0 [3 times]: 'ID:7 packet[3]'
00:18.121	ID:5	broadcast message received from 7.0 [3 times]: 'ID:7 packet[3]'
00:18.858	ID:1	broadcast message sent: packet[3]
00:18.879	ID:4	broadcast message received from 1.0 [3 times]: 'ID:1 packet[3]'
00:18.890	ID:2	broadcast message received from 1.0 [3 times]: 'ID:1 packet[3]'
00:18.906	ID:6	broadcast message received from 1.0 [3 times]: 'ID:1 packet[3]'
00:18.928	ID:3	broadcast message received from 1.0 [3 times]: 'ID:1 packet[3]'
00:18.931	ID:7	broadcast message received from 1.0 [3 times]: 'ID:1 packet[3]'
00:18.961	ID:10	broadcast message received from 1.0 [3 times]: 'ID:1 packet[3]'
00:18.977	ID:8	broadcast message received from 1.0 [3 times]: 'ID:1 packet[3]'
00:18.989	ID:9	broadcast message received from 1.0 [3 times]: 'ID:1 packet[3]'
00:18.994	ID:5	broadcast message received from 1.0 [3 times]: 'ID:1 packet[3]'
00:19.836	ID:6	broadcast message sent: packet[4]
00:19.862	ID:9	broadcast message received from 6.0 [4 times]: 'ID:6 packet[4]'
00:19.870	ID:5	broadcast message received from 6.0 [4 times]: 'ID:6 packet[4]'
00:19.878	ID:4	broadcast message received from 6.0 [4 times]: 'ID:6 packet[4]'
00:19.889	ID:2	broadcast message received from 6.0 [4 times]: 'ID:6 packet[4]'
00:19.909	ID:1	broadcast message received from 6.0 [4 times]: 'ID:6 packet[4]'
00:19.928	ID:3	broadcast message received from 6.0 [4 times]: 'ID:6 packet[4]'
00:19.931	ID:7	broadcast message received from 6.0 [3 times]: 'ID:6 packet[4]'

00:19.961	ID:10	broadcast message received from 6.0 [4 times]: 'ID:6 packet[4]'
00:19.977	ID:8	broadcast message received from 6.0 [4 times]: 'ID:6 packet[4]'
00:20.103	ID:2	broadcast message sent: packet[3]
00:20.129	ID:4	broadcast message received from 2.0 [3 times]: 'ID:2 packet[3]'
00:20.156	ID:6	broadcast message received from 2.0 [3 times]: 'ID:2 packet[3]'
00:20.159	ID:1	broadcast message received from 2.0 [3 times]: 'ID:2 packet[3]'
00:20.178	ID:3	broadcast message received from 2.0 [3 times]: 'ID:2 packet[3]'
00:20.181	ID:7	broadcast message received from 2.0 [3 times]: 'ID:2 packet[3]'
00:20.211	ID:10	broadcast message received from 2.0 [3 times]: 'ID:2 packet[3]'
00:20.227	ID:8	broadcast message received from 2.0 [3 times]: 'ID:2 packet[3]'
00:20.239	ID:9	broadcast message received from 2.0 [3 times]: 'ID:2 packet[3]'
00:20.244	ID:5	broadcast message received from 2.0 [3 times]: 'ID:2 packet[3]'
00:20.357	ID:9	broadcast message sent: packet[4]
00:20.375	ID:4	broadcast message received from 9.0 [4 times]: 'ID:9 packet[4]'
00:20.392	ID:2	broadcast message received from 9.0 [4 times]: 'ID:9 packet[4]'
00:20.392	ID:8	broadcast message sent: packet[3]
00:20.405	ID:6	broadcast message received from 9.0 [4 times]: 'ID:9 packet[4]'
00:20.411	ID:1	broadcast message received from 9.0 [4 times]: 'ID:9 packet[4]'
00:20.430	ID:3	broadcast message received from 9.0 [4 times]: 'ID:9 packet[4]'
00:20.430	ID:7	broadcast message received from 9.0 [4 times]: 'ID:9 packet[4]'
00:20.460	ID:10	broadcast message received from 9.0 [4 times]: 'ID:9 packet[4]'
00:20.477	ID:8	broadcast message received from 9.0 [4 times]: 'ID:9 packet[4]'
00:20.493	ID:5	broadcast message received from 9.0 [4 times]: 'ID:9 packet[4]'
00:20.556	ID:7	broadcast message received from 8.0 [3 times]: 'ID:8 packet[3]'
00:20.587	ID:10	broadcast message received from 8.0 [3 times]: 'ID:8 packet[3]'
00:20.612	ID:9	broadcast message received from 8.0 [3 times]: 'ID:8 packet[3]'
00:20.620	ID:5	broadcast message received from 8.0 [3 times]: 'ID:8 packet[3]'
00:20.628	ID:4	broadcast message received from 8.0 [3 times]: 'ID:8 packet[3]'
00:20.639	ID:2	broadcast message received from 8.0 [3 times]: 'ID:8 packet[3]'
00:20.655	ID:6	broadcast message received from 8.0 [3 times]: 'ID:8 packet[3]'
00:20.661	ID:1	broadcast message received from 8.0 [3 times]: 'ID:8 packet[3]'
00:20.677	ID:3	broadcast message received from 8.0 [3 times]: 'ID:8 packet[3]'
00:21.614	ID:5	broadcast message sent: packet[4]
00:21.640	ID:2	broadcast message received from 5.0 [4 times]: 'ID:5 packet[4]'
00:21.653	ID:6	broadcast message received from 5.0 [4 times]: 'ID:5 packet[4]'

00:21.662	ID:1	broadcast message received from 5.0 [4 times]: 'ID:5 packet[4]'
00:21.678	ID:3	broadcast message received from 5.0 [4 times]: 'ID:5 packet[4]'
00:21.681	ID:7	broadcast message received from 5.0 [4 times]: 'ID:5 packet[4]'
00:21.699	ID:4	broadcast message sent: packet[3]
00:21.711	ID:10	broadcast message received from 5.0 [4 times]: 'ID:5 packet[4]'
00:21.727	ID:8	broadcast message received from 5.0 [4 times]: 'ID:5 packet[4]'
00:21.738	ID:9	broadcast message received from 5.0 [4 times]: 'ID:5 packet[4]'
00:21.752	ID:4	broadcast message received from 5.0 [4 times]: 'ID:5 packet[4]'
00:21.853	ID:8	broadcast message received from 4.0 [3 times]: 'ID:4 packet[3]'
00:21.861	ID:9	broadcast message received from 4.0 [3 times]: 'ID:4 packet[3]'
00:21.867	ID:5	broadcast message received from 4.0 [3 times]: 'ID:4 packet[3]'
00:21.891	ID:2	broadcast message received from 4.0 [3 times]: 'ID:4 packet[3]'
00:21.905	ID:6	broadcast message received from 4.0 [3 times]: 'ID:4 packet[3]'
00:21.911	ID:1	broadcast message received from 4.0 [3 times]: 'ID:4 packet[3]'
00:21.930	ID:3	broadcast message received from 4.0 [3 times]: 'ID:4 packet[3]'
00:21.930	ID:7	broadcast message received from 4.0 [3 times]: 'ID:4 packet[3]'
00:21.960	ID:10	broadcast message received from 4.0 [3 times]: 'ID:4 packet[3]'
00:22.564	ID:10	broadcast message sent: packet[4]
00:22.601	ID:8	broadcast message received from 10.0 [4 times]: 'ID:10 packet[4]'
00:22.612	ID:9	broadcast message received from 10.0 [4 times]: 'ID:10 packet[4]'
00:22.620	ID:5	broadcast message received from 10.0 [4 times]: 'ID:10 packet[4]'
00:22.629	ID:4	broadcast message received from 10.0 [4 times]: 'ID:10 packet[4]'
00:22.640	ID:2	broadcast message received from 10.0 [4 times]: 'ID:10 packet[4]'
00:22.656	ID:6	broadcast message received from 10.0 [4 times]: 'ID:10 packet[4]'
00:22.661	ID:1	broadcast message received from 10.0 [4 times]: 'ID:10 packet[4]'
00:22.675	ID:7	broadcast message sent: packet[4]
00:22.678	ID:3	broadcast message received from 10.0 [4 times]: 'ID:10 packet[4]'
00:22.683	ID:7	broadcast message received from 10.0 [4 times]: 'ID:10 packet[4]'
00:22.835	ID:10	broadcast message received from 7.0 [4 times]: 'ID:7 packet[4]'
00:22.851	ID:8	broadcast message received from 7.0 [4 times]: 'ID:7 packet[4]'
00:22.862	ID:9	broadcast message received from 7.0 [4 times]: 'ID:7 packet[4]'
00:22.870	ID:5	broadcast message received from 7.0 [4 times]: 'ID:7 packet[4]'
00:22.879	ID:4	broadcast message received from 7.0 [4 times]: 'ID:7 packet[4]'
00:22.890	ID:2	broadcast message received from 7.0 [4 times]: 'ID:7 packet[4]'
00:22.906	ID:6	broadcast message received from 7.0 [4 times]: 'ID:7 packet[4]'



00:22.912	ID:1	broadcast message received from 7.0 [4 times]: 'ID:7 packet[4]'
00:22.928	ID:3	broadcast message received from 7.0 [4 times]: 'ID:7 packet[4]'
00:23.202	ID:1	broadcast message sent: packet[4]
00:23.228	ID:8	broadcast message received from 1.0 [4 times]: 'ID:1 packet[4]'
00:23.239	ID:9	broadcast message received from 1.0 [4 times]: 'ID:1 packet[4]'
00:23.245	ID:5	broadcast message received from 1.0 [4 times]: 'ID:1 packet[4]'
00:23.253	ID:4	broadcast message received from 1.0 [4 times]: 'ID:1 packet[4]'
00:23.266	ID:2	broadcast message received from 1.0 [4 times]: 'ID:1 packet[4]'
00:23.280	ID:6	broadcast message received from 1.0 [4 times]: 'ID:1 packet[4]'
00:23.305	ID:7	broadcast message received from 1.0 [4 times]: 'ID:1 packet[4]'
00:23.305	ID:3	broadcast message received from 1.0 [4 times]: 'ID:1 packet[4]'
00:23.335	ID:10	broadcast message received from 1.0 [4 times]: 'ID:1 packet[4]'
00:23.508	ID:3	broadcast message sent: packet[3]
00:23.529	ID:6	broadcast message received from 3.0 [3 times]: 'ID:3 packet[3]'
00:23.537	ID:1	broadcast message received from 3.0 [3 times]: 'ID:3 packet[3]'
00:23.553	ID:7	broadcast message received from 3.0 [3 times]: 'ID:3 packet[3]'
00:23.587	ID:10	broadcast message received from 3.0 [3 times]: 'ID:3 packet[3]'
00:23.603	ID:8	broadcast message received from 3.0 [3 times]: 'ID:3 packet[3]'
00:23.614	ID:9	broadcast message received from 3.0 [3 times]: 'ID:3 packet[3]'
00:23.620	ID:5	broadcast message received from 3.0 [3 times]: 'ID:3 packet[3]'
00:23.628	ID:4	broadcast message received from 3.0 [3 times]: 'ID:3 packet[3]'
00:23.641	ID:2	broadcast message received from 3.0 [3 times]: 'ID:3 packet[3]'
00:24.669	ID:9	broadcast message sent: packet[5]
00:24.708	ID:10	broadcast message received from 9.0 [5 times]: 'ID:9 packet[5]'
00:24.728	ID:8	broadcast message received from 9.0 [5 times]: 'ID:9 packet[5]'
00:24.745	ID:5	broadcast message received from 9.0 [5 times]: 'ID:9 packet[5]'
00:24.750	ID:4	broadcast message received from 9.0 [5 times]: 'ID:9 packet[5]'
00:24.766	ID:2	broadcast message received from 9.0 [5 times]: 'ID:9 packet[5]'
00:24.777	ID:6	broadcast message received from 9.0 [5 times]: 'ID:9 packet[5]'
00:24.786	ID:1	broadcast message received from 9.0 [5 times]: 'ID:9 packet[5]'
00:24.805	ID:3	broadcast message received from 9.0 [5 times]: 'ID:9 packet[5]'
00:24.805	ID:7	broadcast message received from 9.0 [5 times]: 'ID:9 packet[5]'
00:25.033	ID:8	broadcast message sent: packet[4]
00:25.054	ID:3	broadcast message received from 8.0 [4 times]: 'ID:8 packet[4]'
00:25.056	ID:7	broadcast message received from 8.0 [4 times]: 'ID:8 packet[4]'

00:25.071	ID:2	broadcast message sent: packet[4]
00:25.086	ID:10	broadcast message received from 8.0 [4 times]: 'ID:8 packet[4]'
00:25.112	ID:9	broadcast message received from 8.0 [4 times]: 'ID:8 packet[4]'
00:25.120	ID:5	broadcast message received from 8.0 [4 times]: 'ID:8 packet[4]'
00:25.128	ID:4	broadcast message received from 8.0 [4 times]: 'ID:8 packet[4]'
00:25.139	ID:2	broadcast message received from 8.0 [4 times]: 'ID:8 packet[4]'
00:25.155	ID:6	broadcast message received from 8.0 [4 times]: 'ID:8 packet[4]'
00:25.161	ID:1	broadcast message received from 8.0 [4 times]: 'ID:8 packet[4]'
00:25.405	ID:6	broadcast message received from 2.0 [4 times]: 'ID:2 packet[4]'
00:25.411	ID:1	broadcast message received from 2.0 [4 times]: 'ID:2 packet[4]'
00:25.427	ID:3	broadcast message received from 2.0 [4 times]: 'ID:2 packet[4]'
00:25.430	ID:7	broadcast message received from 2.0 [4 times]: 'ID:2 packet[4]'
00:25.460	ID:10	broadcast message received from 2.0 [4 times]: 'ID:2 packet[4]'
00:25.477	ID:8	broadcast message received from 2.0 [4 times]: 'ID:2 packet[4]'
00:25.487	ID:9	broadcast message received from 2.0 [4 times]: 'ID:2 packet[4]'
00:25.496	ID:5	broadcast message received from 2.0 [4 times]: 'ID:2 packet[4]'
00:25.504	ID:4	broadcast message received from 2.0 [4 times]: 'ID:2 packet[4]'
00:25.769	ID:5	broadcast message sent: packet[5]
00:25.803	ID:7	broadcast message received from 5.0 [5 times]: 'ID:5 packet[5]'
00:25.803	ID:3	broadcast message received from 5.0 [5 times]: 'ID:5 packet[5]'
00:25.836	ID:10	broadcast message received from 5.0 [5 times]: 'ID:5 packet[5]'
00:25.853	ID:8	broadcast message received from 5.0 [5 times]: 'ID:5 packet[5]'
00:25.864	ID:9	broadcast message received from 5.0 [5 times]: 'ID:5 packet[5]'
00:25.877	ID:4	broadcast message received from 5.0 [5 times]: 'ID:5 packet[5]'
00:25.891	ID:2	broadcast message received from 5.0 [5 times]: 'ID:5 packet[5]'
00:25.905	ID:6	broadcast message received from 5.0 [5 times]: 'ID:5 packet[5]'
00:25.910	ID:1	broadcast message received from 5.0 [5 times]: 'ID:5 packet[5]'
00:26.031	ID:6	broadcast message sent: packet[5]
00:26.055	ID:3	broadcast message received from 6.0 [5 times]: 'ID:6 packet[5]'
00:26.055	ID:7	broadcast message received from 6.0 [4 times]: 'ID:6 packet[5]'
00:26.085	ID:10	broadcast message received from 6.0 [5 times]: 'ID:6 packet[5]'
00:26.101	ID:8	broadcast message received from 6.0 [5 times]: 'ID:6 packet[5]'
00:26.112	ID:9	broadcast message received from 6.0 [5 times]: 'ID:6 packet[5]'
00:26.120	ID:5	broadcast message received from 6.0 [5 times]: 'ID:6 packet[5]'
00:26.129	ID:4	broadcast message received from 6.0 [5 times]: 'ID:6 packet[5]'

00:26.140	ID:2	broadcast message received from 6.0 [5 times]: 'ID:6 packet[5]'
00:26.159	ID:1	broadcast message received from 6.0 [5 times]: 'ID:6 packet[5]'
00:26.559	ID:4	broadcast message sent: packet[4]
00:26.585	ID:10	broadcast message received from 4.0 [4 times]: 'ID:4 packet[4]'
00:26.601	ID:8	broadcast message received from 4.0 [4 times]: 'ID:4 packet[4]'
00:26.612	ID:9	broadcast message received from 4.0 [4 times]: 'ID:4 packet[4]'
00:26.620	ID:5	broadcast message received from 4.0 [4 times]: 'ID:4 packet[4]'
00:26.640	ID:2	broadcast message received from 4.0 [4 times]: 'ID:4 packet[4]'
00:26.654	ID:6	broadcast message received from 4.0 [4 times]: 'ID:4 packet[4]'
00:26.662	ID:1	broadcast message received from 4.0 [4 times]: 'ID:4 packet[4]'
00:26.678	ID:3	broadcast message received from 4.0 [4 times]: 'ID:4 packet[4]'
00:26.681	ID:7	broadcast message received from 4.0 [4 times]: 'ID:4 packet[4]'
00:26.909	ID:7	broadcast message sent: packet[5]
00:26.930	ID:3	broadcast message received from 7.0 [5 times]: 'ID:7 packet[5]'
00:26.960	ID:10	broadcast message received from 7.0 [5 times]: 'ID:7 packet[5]'
00:26.976	ID:8	broadcast message received from 7.0 [5 times]: 'ID:7 packet[5]'
00:26.987	ID:9	broadcast message received from 7.0 [5 times]: 'ID:7 packet[5]'
00:26.995	ID:5	broadcast message received from 7.0 [5 times]: 'ID:7 packet[5]'
00:27.003	ID:4	broadcast message received from 7.0 [5 times]: 'ID:7 packet[5]'
00:27.014	ID:2	broadcast message received from 7.0 [5 times]: 'ID:7 packet[5]'
00:27.031	ID:6	broadcast message received from 7.0 [5 times]: 'ID:7 packet[5]'
00:27.036	ID:1	broadcast message received from 7.0 [5 times]: 'ID:7 packet[5]'
00:27.939	ID:10	broadcast message sent: packet[5]
00:27.976	ID:8	broadcast message received from 10.0 [5 times]: 'ID:10 packet[5]'
00:27.987	ID:9	broadcast message received from 10.0 [5 times]: 'ID:10 packet[5]'
00:27.995	ID:5	broadcast message received from 10.0 [5 times]: 'ID:10 packet[5]'
00:28.004	ID:4	broadcast message received from 10.0 [5 times]: 'ID:10 packet[5]'
00:28.015	ID:2	broadcast message received from 10.0 [5 times]: 'ID:10 packet[5]'
00:28.031	ID:6	broadcast message received from 10.0 [5 times]: 'ID:10 packet[5]'
00:28.036	ID:1	broadcast message received from 10.0 [5 times]: 'ID:10 packet[5]'
00:28.053	ID:3	broadcast message received from 10.0 [5 times]: 'ID:10 packet[5]'
00:28.055	ID:7	broadcast message received from 10.0 [5 times]: 'ID:10 packet[5]'
00:28.423	ID:3	broadcast message sent: packet[4]
00:28.460	ID:10	broadcast message received from 3.0 [4 times]: 'ID:3 packet[4]'
00:28.477	ID:8	broadcast message received from 3.0 [4 times]: 'ID:3 packet[4]'

00:28.487	ID:9	broadcast message received from 3.0 [4 times]: 'ID:3 packet[4]'
00:28.496	ID:5	broadcast message received from 3.0 [4 times]: 'ID:3 packet[4]'
00:28.504	ID:4	broadcast message received from 3.0 [4 times]: 'ID:3 packet[4]'
00:28.515	ID:2	broadcast message received from 3.0 [4 times]: 'ID:3 packet[4]'
00:28.531	ID:6	broadcast message received from 3.0 [4 times]: 'ID:3 packet[4]'
00:28.534	ID:1	broadcast message received from 3.0 [4 times]: 'ID:3 packet[4]'
00:28.556	ID:7	broadcast message received from 3.0 [4 times]: 'ID:3 packet[4]'
00:29.116	ID:1	broadcast message sent: packet[5]
00:29.140	ID:2	broadcast message received from 1.0 [5 times]: 'ID:1 packet[5]'
00:29.156	ID:6	broadcast message received from 1.0 [5 times]: 'ID:1 packet[5]'
00:29.178	ID:3	broadcast message received from 1.0 [5 times]: 'ID:1 packet[5]'
00:29.181	ID:7	broadcast message received from 1.0 [5 times]: 'ID:1 packet[5]'
00:29.211	ID:10	broadcast message received from 1.0 [5 times]: 'ID:1 packet[5]'
00:29.227	ID:8	broadcast message received from 1.0 [5 times]: 'ID:1 packet[5]'
00:29.238	ID:9	broadcast message received from 1.0 [5 times]: 'ID:1 packet[5]'
00:29.244	ID:5	broadcast message received from 1.0 [5 times]: 'ID:1 packet[5]'
00:29.252	ID:4	broadcast message received from 1.0 [5 times]: 'ID:1 packet[5]'
00:31.111	ID:2	broadcast message sent: packet[5]
00:31.156	ID:6	broadcast message received from 2.0 [5 times]: 'ID:2 packet[5]'
00:31.161	ID:1	broadcast message received from 2.0 [5 times]: 'ID:2 packet[5]'
00:31.177	ID:9	broadcast message sent: packet[6]
00:31.178	ID:3	broadcast message received from 2.0 [5 times]: 'ID:2 packet[5]'
00:31.181	ID:7	broadcast message received from 2.0 [5 times]: 'ID:2 packet[5]'
00:31.211	ID:10	broadcast message received from 2.0 [5 times]: 'ID:2 packet[5]'
00:31.227	ID:8	broadcast message received from 2.0 [5 times]: 'ID:2 packet[5]'
00:31.238	ID:9	broadcast message received from 2.0 [5 times]: 'ID:2 packet[5]'
00:31.243	ID:5	broadcast message received from 2.0 [5 times]: 'ID:2 packet[5]'
00:31.248	ID:5	broadcast message sent: packet[6]
00:31.252	ID:4	broadcast message received from 2.0 [5 times]: 'ID:2 packet[5]'
00:31.279	ID:6	broadcast message received from 5.0 [6 times]: 'ID:5 packet[6]'
00:31.287	ID:1	broadcast message received from 5.0 [6 times]: 'ID:5 packet[6]'
00:31.304	ID:3	broadcast message received from 5.0 [6 times]: 'ID:5 packet[6]'
00:31.307	ID:7	broadcast message received from 5.0 [6 times]: 'ID:5 packet[6]'
00:31.337	ID:10	broadcast message received from 5.0 [6 times]: 'ID:5 packet[6]'
00:31.353	ID:8	broadcast message received from 5.0 [6 times]: 'ID:5 packet[6]'

00:31.361	ID:9	broadcast message received from 5.0 [6 times]: 'ID:5 packet[6]'
00:31.375	ID:4	broadcast message received from 5.0 [6 times]: 'ID:5 packet[6]'
00:31.391	ID:2	broadcast message received from 5.0 [6 times]: 'ID:5 packet[6]'
00:31.411	ID:1	broadcast message received from 9.0 [6 times]: 'ID:9 packet[6]'
00:31.427	ID:3	broadcast message received from 9.0 [6 times]: 'ID:9 packet[6]'
00:31.430	ID:7	broadcast message received from 9.0 [6 times]: 'ID:9 packet[6]'
00:31.460	ID:10	broadcast message received from 9.0 [6 times]: 'ID:9 packet[6]'
00:31.477	ID:8	broadcast message received from 9.0 [6 times]: 'ID:9 packet[6]'
00:31.493	ID:5	broadcast message received from 9.0 [6 times]: 'ID:9 packet[6]'
00:31.501	ID:4	broadcast message received from 9.0 [6 times]: 'ID:9 packet[6]'
00:31.515	ID:2	broadcast message received from 9.0 [6 times]: 'ID:9 packet[6]'
00:31.529	ID:6	broadcast message received from 9.0 [6 times]: 'ID:9 packet[6]'