Assignment 3

100 sent 200 received when mac adresses are swapped between sender and receiver using the corresponding table actions

```
RuntimeCmd: table_add MyIngress.src_mac_drop MyIngress.swap_mac_addresses 00:00:00:00:00:05 =>
Adding entry to exact match table MyIngress.src_mac_drop
match key:           EXACT-00:00:00:00:00:05
action:              MyIngress.swap_mac_addresses
runtime data:
```

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

Apply a display filter … <Ctrl-/>

No.	Time	Source	Destination	Protocol	Length	Info
186	6.148378826	192.168.10.1	192.168.10.2	UDP	64	50000 → 1024 Len=22
187	6.207584412	192.168.10.1	192.168.10.2	UDP	64	50000 → 1024 Len=22
188	6.208398316	192.168.10.1	192.168.10.2	UDP	64	50000 → 1024 Len=22
189	6.284304690	192.168.10.1	192.168.10.2	UDP	64	50000 → 1024 Len=22
190	6.285109194	192.168.10.1	192.168.10.2	UDP	64	50000 → 1024 Len=22
191	6.363651960	192.168.10.1	192.168.10.2	UDP	64	50000 → 1024 Len=22
192	6.364487736	192.168.10.1	192.168.10.2	UDP	64	50000 → 1024 Len=22
193	6.415754942	192.168.10.1	192.168.10.2	UDP	64	50000 → 1024 Len=22
194	6.416526618	192.168.10.1	192.168.10.2	UDP	64	50000 → 1024 Len=22
195	6.480115189	192.168.10.1	192.168.10.2	UDP	64	50000 → 1024 Len=22
196	6.480878655	192.168.10.1	192.168.10.2	UDP	64	50000 → 1024 Len=22
197	6.540222885	192.168.10.1	192.168.10.2	UDP	64	50000 → 1024 Len=22
198	6.540995547	192.168.10.1	192.168.10.2	UDP	64	50000 → 1024 Len=22
199	6.603545718	192.168.10.1	192.168.10.2	UDP	64	50000 → 1024 Len=22
200	6.604309797	192.168.10.1	192.168.10.2	UDP	64	50000 → 1024 Len=22

100 packets sent and 100 packets returned when the drop action action is activated so that packets with the same MAC address are dropped

```
MyIngress.drop                    MyIngress.swap_mac_addresses   NoAction
RuntimeCmd: table_add MyIngress.src_mac_drop MyIngress.drop 00:00:00:00:00:02 =>
Adding entry to exact match table MyIngress.src_mac_drop
match key:           EXACT-00:00:00:00:00:02
action:              MyIngress.drop
```

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

Apply a display filter … <Ctrl-/>

No.	Time	Source	Destination	Protocol	Length	Info
87	5.740884766	192.168.10.1	192.168.10.2	UDP	64	50000 → 1024 Len=22
88	5.808956274	192.168.10.1	192.168.10.2	UDP	64	50000 → 1024 Len=22
89	5.873870017	192.168.10.1	192.168.10.2	UDP	64	50000 → 1024 Len=22
90	5.928923669	192.168.10.1	192.168.10.2	UDP	64	50000 → 1024 Len=22
91	5.984871531	192.168.10.1	192.168.10.2	UDP	64	50000 → 1024 Len=22
92	6.044896414	192.168.10.1	192.168.10.2	UDP	64	50000 → 1024 Len=22
93	6.097397139	192.168.10.1	192.168.10.2	UDP	64	50000 → 1024 Len=22
94	6.153081406	192.168.10.1	192.168.10.2	UDP	64	50000 → 1024 Len=22
95	6.212898461	192.168.10.1	192.168.10.2	UDP	64	50000 → 1024 Len=22
96	6.261049900	192.168.10.1	192.168.10.2	UDP	64	50000 → 1024 Len=22
97	6.340940300	192.168.10.1	192.168.10.2	UDP	64	50000 → 1024 Len=22
98	6.405569405	192.168.10.1	192.168.10.2	UDP	64	50000 → 1024 Len=22
99	6.464997422	192.168.10.1	192.168.10.2	UDP	64	50000 → 1024 Len=22
100	6.529355645	192.168.10.1	192.168.10.2	UDP	64	50000 → 1024 Len=22