Assignment 3
Trinity College
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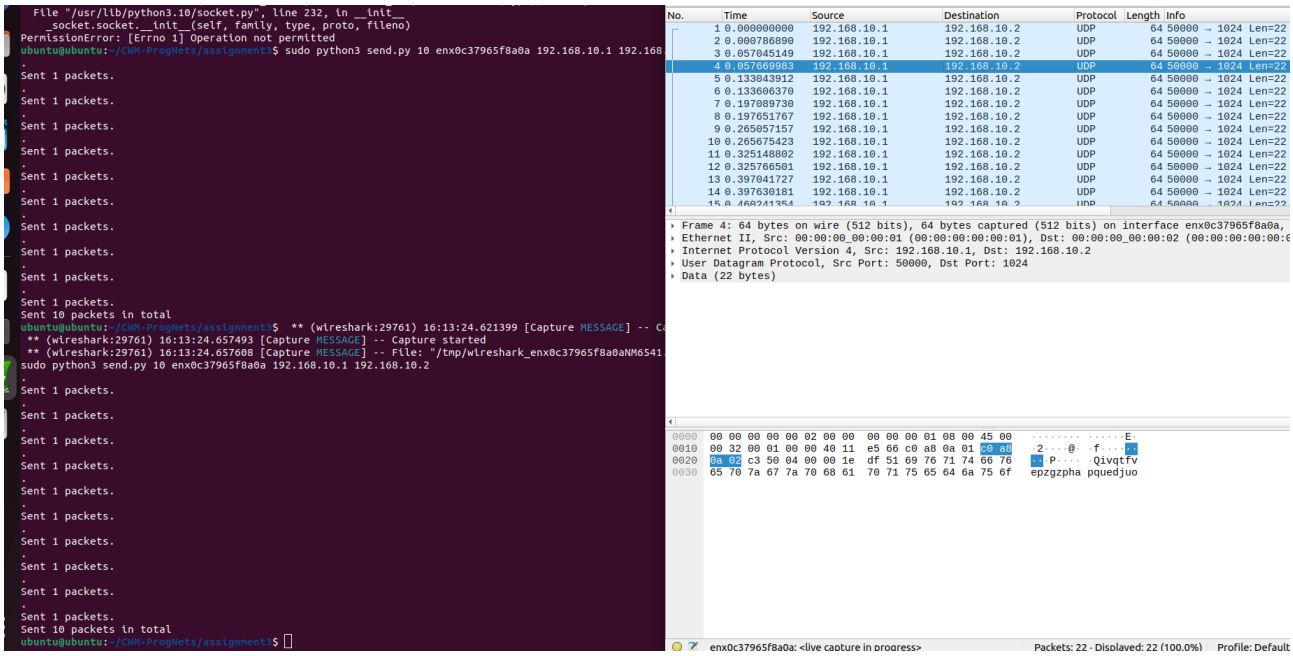

Figure 1 sending packets from the lab machine to the Raspberry Pi

The screenshot above shown the packets sent and ‘rebounded’ back for the lab machine. Even the destination and source shown on the tracking is unchanged (They are all from 192.168.10.1 to 192.168.10.2), from the bottom square we can track the change of the dsc_mac and dsc_src from the python code has swapped. The destination and the source address does not change since it’s just a simple switch and no ip change occurs.

Also, the wireshark captured 20 packets, which is exactly what we expected to get.

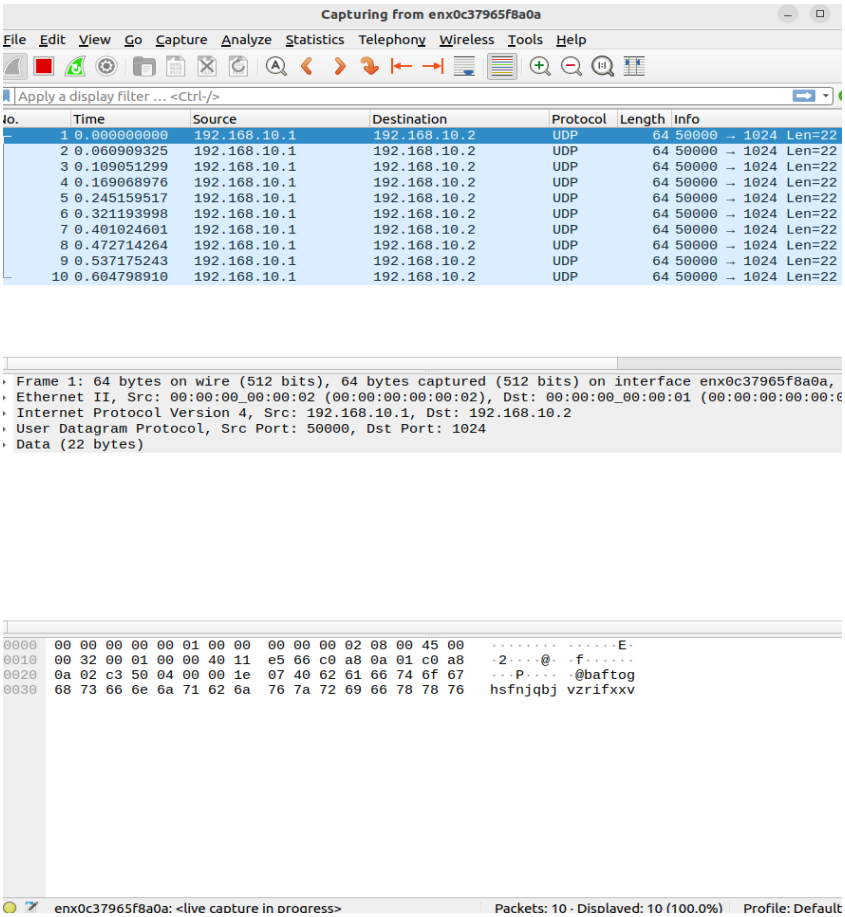

Figure 2. Traffic captured after adding table entry

```
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
runtime data:
Entry has been added with handle 2
RuntimeCmd:
```

Figure 3. Table entry operation

To drop the packet sent, just adding a row entry. The code means, when the source MAC address is 00:00:00:00:02, the packets will be dropped.

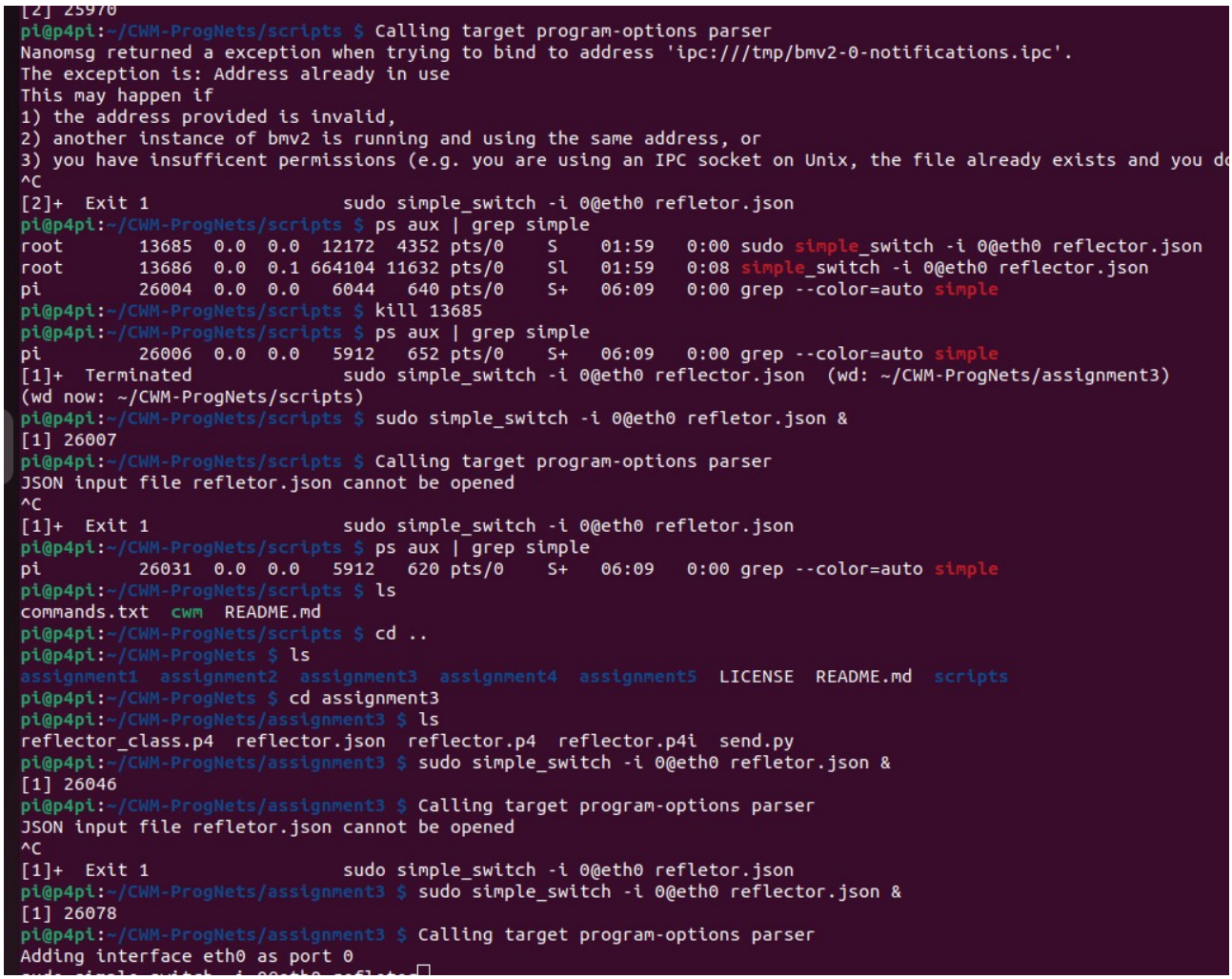

Figure 4. Trying out with cwm scripts