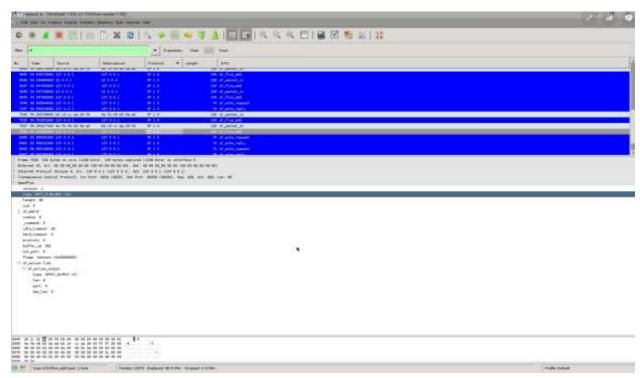
a.



an original copy of this photo has been submitted.

```
b.
mininet> dpctl dump-flows
*** s1 ------
NXST_FLOW reply (xid=0x4):
```

- c. There are two timeouts for the openflow system: Idle and Hard. Idle timeout is the number of seconds to keep the entry when there is no live traffic. The hard timeout is after that many seconds, simply remove the entry from the table. For our table, the packets all had 60 idle and 0 hard (meaning hard timeout wasn't being used).
- d. The latency of the ping goes down over time because the protocol has ramp-up time. First to establish the connection and switch flow table entry, but also to ensure the bandwidth is stable.