Lab 1 & 2 Demo Question

Part 1 Network concept (60%+10%)

(20%) Q1: Prepare knowledges for Broadcast Storm in Layer 2 networks, we will ask you some questions according to a GenAI answer.

(40%+10%) Q2: We will ask you to activate "ReactiveForwarding" on ONOS. Please use Wireshark to go through the packet flow while h1 ping h2. We will ask you related questions.

```
mininet> h1 ping h2
PING 10.0.0.2 (10.0.0.2) 56(84) bytes of data.
64 bytes from 10.0.0.2: icmp_seq=1 ttl=64 time=9.00 ms
64 bytes from 10.0.0.2: icmp_seq=2 ttl=64 time=2.54 ms
64 bytes from 10.0.0.2: icmp_seq=3 ttl=64 time=0.188 ms
64 bytes from 10.0.0.2: icmp_seq=4 ttl=64 time=0.075 ms
```

Part 2 Topology (40%)

(20%) Q3: Implement the following topology in Mininet (get point only if answers are all correct)

- h1: MAC Address = 00:00:00:00:00:01, IP = 192.168.130.1/27
- h2: MAC Address = 00:00:00:00:00:02, IP = 192.168.130.2/27
- h3: MAC Address = 00:00:00:00:00:03, IP = 192.168.130.3/27
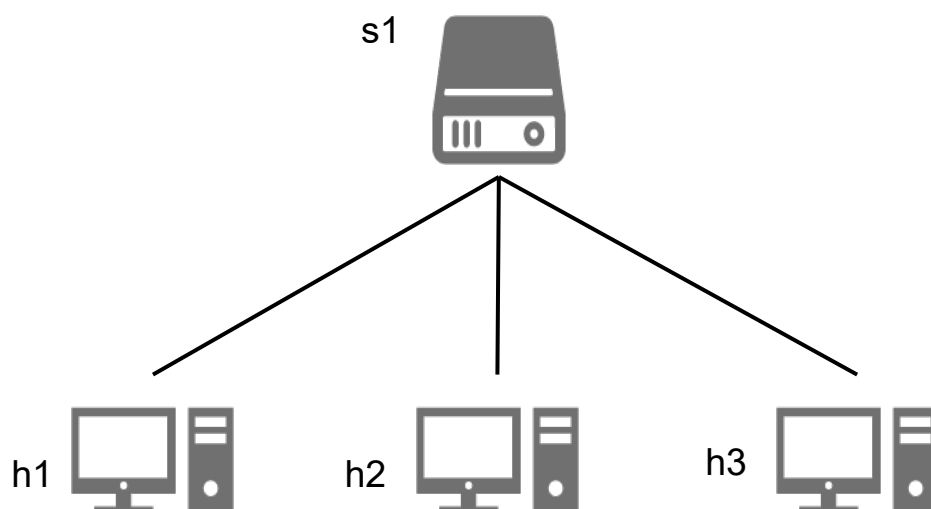
(20%) Q4: Follow up Q3, please install rules such that:

    (1) h1 can reach h3 with ping

    (2) h2 doesn't get any ARP/ICMP packets from h1 or h3

       Flow Rule Criteria & Instructions