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Q1: 10.0.0.0/24

Q2: Yes

Q3: No. Switches are transparent.

Q4: 10.0.0.1 for devices srv1, srv2. 10.0.0.111 for hosts h0 to h4

Q5: No. h1 gateway is wrong. ARP request for 10.0.0.111 cannot be resolved.

Q6: Yes, on srv1.

Q7: Yes, the dhcp-option is wrong and should be changed to 10.0.0.1

Q8: Yes

Q9: Yes. 8.8.8.8, which is a DNS, contains the record of test.net with its associated IP address. 8.8.8.2

Q10: intGW

Q11:

```
iptables -I INPUT -s 10.0.0.11 -j DROP
```

```
iptables -I FORWARD -s 10.0.0.11 -j DROP
```