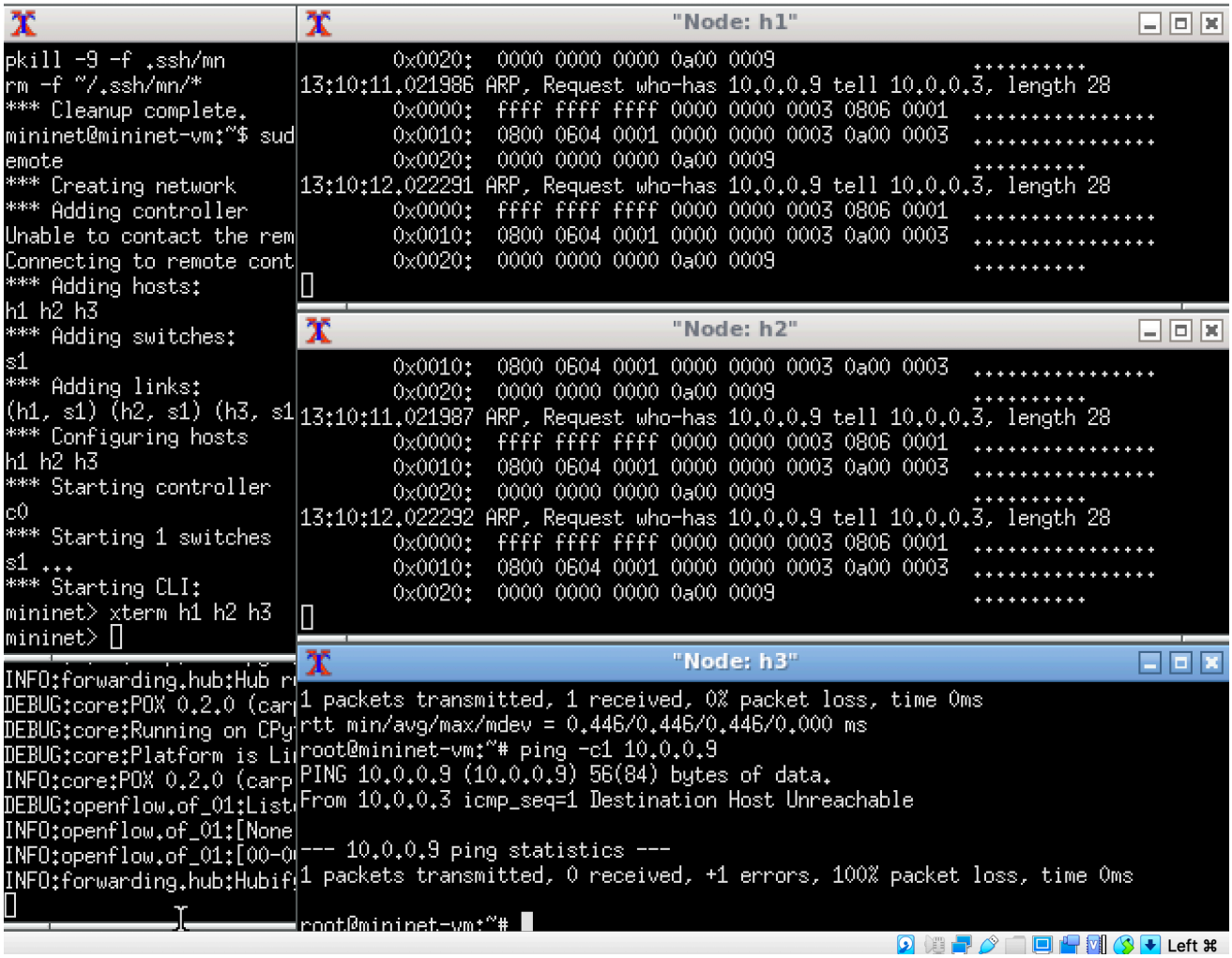
A.1.1



When you ping a non-exist host , for example, 10.0.0.9, the sender host will broadcast the message twice to find the location of the new host. There's no response for these 2 broadcasting. The sender host wait until timeout and it doesn't get the MAC address. So it will break this ping process as 'Destination Host Unreachable' and return the statistics, which is 100% packet loss.

A.1.2

The output is shown above. As we can see, the h2 and h3 are not able to comunicate with each other any more.