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Computer Networks

Lab 3

1. 8c:85:90:30:0b:5f
2. f0:9f:c2:1b:c0:1f, this is my router address
3. 0x0800 it corresponds to IPv4
4. 54
5. f0:9f:c2:1b:c0:1f,, this is my router address
6. 8c:85:90:30:0b:5f, yes
7. 0x0800, IPv4
8. 13
9. The IP address is in the Internet Address column and the physical column has the MAC address. The type is the protocol type.
10. The source address: 00:d0:59:a9:3d:68

Destination address: ff:ff:ff:ff:ff:ff

1. 0x0806 ARP protocol
2. –
   1. 20
   2. 0x001
   3. Yes, 192.168.1.105
   4. MAC address is 00:00:00:00:00:00 as a default value. It appears at byte 32
3. –
   1. 20
   2. 0x002
   3. 192.168.1.105 appears at byte 38.
4. Source: 00:06:25:da:af:73 Destination: 00:d0:59:a9:3d:68
5. We aren’t the machine that sent the request so there is no reply. The reply is sent to the sender’s address when the arp request is broadcasted.