1. fc:34:97:dc:fc:7a
2. The destination address e8:65:d4:03:39:70 is not the Ethernet address of gaia.cs.umass.edu. It is the address of my TendaTec router, which is the link used to get off the subnet.
3. The hex value for the Frame type field is 0x0800. This corresponds to the IP protocol (the frame type filed indicates that the nest layer above IP – the layer to which the payload of ths Ethernet frame will be passed – is IP.
4. 47
5. The source address e8:65:d4:03:39:70 is neither the Ethernet address of gaia.cs.umass.edu nor the address of my computer. It is the address of my TendaTec router, which is the link used to get onto my subnet.
6. The destination address fc:34:97:dc:fc:7a is the address of my computer.
7. The hex value for the Frame type field is 0x0800. This value corresponds to the IP protocol (see also answer to 3. above).
8. Baaki
9. Baaki
10. 8 entries
11. The 3 columns represent the IP Address at the network layer, the MAC Address to physically communicate with the hardware that is located at that IP address, and whether or not it is changing (dynamic) or static.
12. fc:34:97:dc:fc:7a
13. ff:ff:ff:ff:ff:ff, broadcast’s address
14. The hex value for the two byte Ethernet frame is ARP (0x0806), the corresponding upper layer protocol is ARP
15. fc:34:97:dc:fc:7a
16. The destination address e8:65:d4:03:39:70 is not the Ethernet address of gaia.cs.umass.edu. It is the address of my TendaTec router, which is the link used to get off the subnet.
17. The hex value for the Frame type field is 0x0800. This corresponds to the IPv4 protocol (the frame type filed indicates that the nest layer above IP, the layer to which the payload of this Ethernet frame will be passed, is IP.
18. 47
19. The source address e8:65:d4:03:39:70 is neither the Ethernet address of gaia.cs.umass.edu nor the address of my computer. It is the address of my TendaTec router, which is the link used to get onto my subnet.
20. The destination address fc:34:97:dc:fc:7a is the address of my computer.
21. The hex value for the Frame type field is 0x0800. This value corresponds to the IPv4 protocol
22. 52
23. 2
24. 8 entries
25. The 3 columns represent the IP Address at the network layer, the MAC Address to physically communicate with the hardware that is located at that IP address, and whether or not it is changing (dynamic) or static.
26. fc:34:97:dc:fc:7a
27. e8:65:d4:03:39:70, It is the address of my TendaTec router.
28. The hex value for the two byte Ethernet frame is ARP (0x0806), the corresponding upper layer protocol is ARP
29. 20
30. 0x0001
31. Yes, Sender IP address: 192.168.0.1
32. Target IP address: 192.168.0.101
33. 0x0002
34. fc:34:97:dc:fc:7a
35. There is no reply in this trace, because we are not at the machine that sent the request. The ARP request is broadcast, but the ARP reply is sent back directly to the sender’s Ethernet address.