${\bf SYSC~4602~Assignment~1}$

David Song (101071234) Ghassan Arnouk (101078550) Zachary Porter (101069001)

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Part 3: Ethernet Frame Structure

| | Ether Net Header | | | Ether Net Payload | | |
|---|-------------------------------------|--------------------------------|-------------------|---------------------------|-------------------------|------------------------|
| | Destination Address (6 Bytes) | Source Adderss (6 Bytes) | Type (2 Bytes) | IPv4 Header (20 Bytes) | ICMP Data (40 Bytes) | Check Sum (4 Bytes) |
| 0 | 6 | 12 | 2 | 14 34 | 7 | 4 7 |

Figure 1: Ethernet Frame Structure Diagram

Part 4: Protocol Overhead

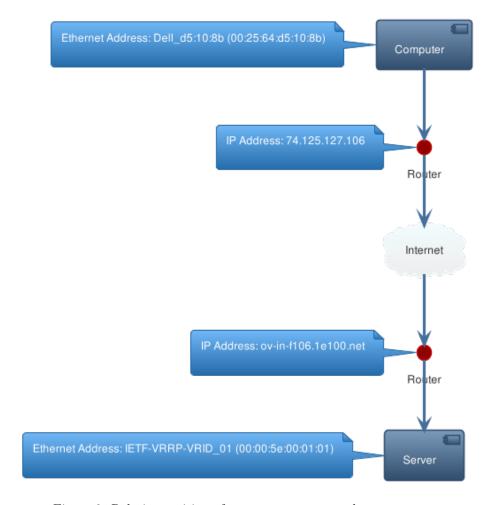


Figure 2: Relative position of computer, router, and remote server

Part 5: Demultiplexing Keys

- 0.1 What is the broadcast Ethernet address, written standard form as Wireshark displays it?
- 0.2 Which bit of the Ethernet address is used to dethermine whether it is unicast or multicast/broadcast?