

HOMEWORK 4 - COMP NETWORKING

1) ARP queries are sent within a broadcast frame so that all ARP modules receive the request. The MAC address is used for faster messaging and unpacking as well as faster unpacking.

2) No, it is not possible to have the same MAC Address appear in both tables. Each LAN has its own unique set of adapters to it, and each adapter has its own unique address.

3) Ex of No error:

0000	1
1111	1
0101	1
1010	1
1111	1

Ex of single bit error:

0000	1
1011	0
0101	1
1010	1
1011	0

error here

Ex of Double Bit:

0000	1
1001	1
0101	1
1010	1
1001	1

can't tell where the errors are!