



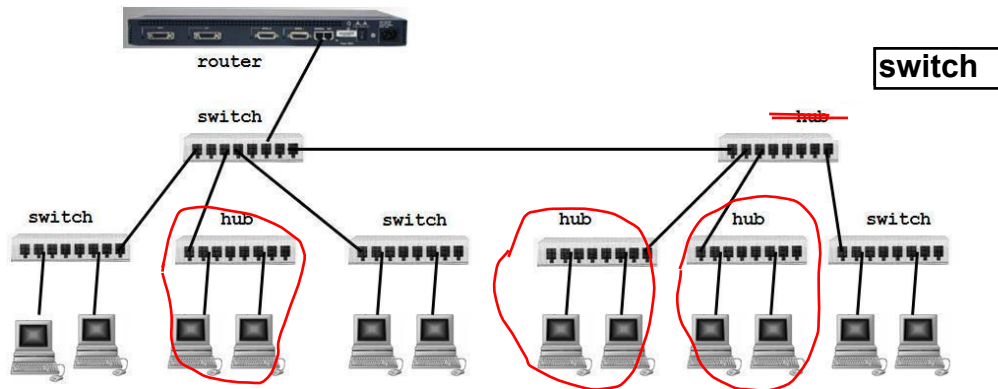
Quiz 6: November 13, 2014

Left Neighbor: _____

Right Neighbor: _____

This is a closed book quiz

1. (2 points) Circle the collision domains in the picture below



2. (1 points) What does it mean that IP uses best-effort delivery? Answer in one short sentence.

IP will delivery with best effort(fast speed possible) but without the guarantee to deliver it.

3. (2 points) What does it mean that IP is a connectionless protocol? Answer in one short sentence (an analogy might help).

There is no fixed layer 2 IP connection path. Different package can arrive in different ways.

Like shipping multiple mails from city A to city B through cars and airplanes

4. (5 points) You are lucky enough to own the network space denoted by 128.66.0.0 / 19. You decide to break it up into 16 subnets. Give the highest numbered IP address of the subnets you create. (For example, 128.66.0.3 is higher numbered than 128.66.0.1)

I gave the full credits if you answer one of these two, Highest sub net address:

1000 0000, 0100 0010, 0001 1110, 0000 0000/23

Highest IP address will be:

1000 0000, 0100 0010, 0001 1111, 1111 1111/23