EXERCISE SHEET 2 - Ethernet
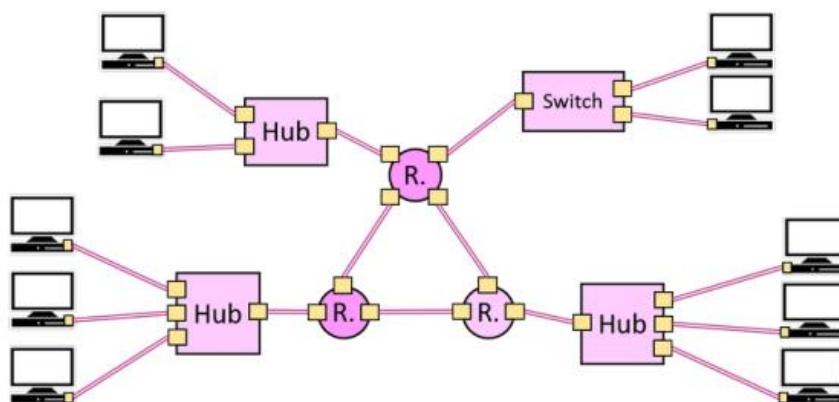
Task 1

   a. Discuss why IEEE 802.3 Ethernet is one of the most popular layer 2 protocols used today?

   b. Give the unique properties of MAC addresses (i.e., format, size, and other characteristics). For what purposes are the ARP and RARP protocols used?

   c. List all header fields included in an IEEE 802.3 Ethernet Frame.

Ethernet Field	Size (Byte)	Description
	. . .	

Task 2

   a. What is a collision domain and what is a broadcast domain? Given the network shown below, determine how many collision domains and how many broadcast domains are available.

   b. What is a "late collision"? Which condition must be fulfilled to avoid late collisions in Ethernet?