1 Transparent Bridges (6 Points)

Consider the following network: it has 6 LAN segments called LAN1, ..., LAN6 and two bridges called BRIDGE1 and BRIDGE2. BRIDGE1 is connected to the segments LAN6, LAN5, LAN4 and LAN3. BRIDGE2 is connected to the segments LAN3, LAN2 and LAN1. Furthermore, there is a station A connected to LAN2, a station B connected to LAN4 and a station C connected to LAN6.

Answer following questions one after the other, keeping the modifications/extensions of the previous one.

1. Make a drawing of the network.

2. A sends to C. Show the tables of the bridges and name the LANs where the frame is seen.

3. B sends to C. Show the tables of the bridges and name the LANs where the frame is seen.

4. A sends to B. Show the tables of the bridges and name the LANs where the frame is seen.