

HW #2 CSE 166 - 3

3.13:- LAN A: The bridge B2 is not selected to forward the packets. Hence, it is represented with a dash line

LAN B: The bridge B5 is not selected because the bridge ID is highest.

LAN C: it is directly connected to the root bridge B1

LAN D: The bridge B2 is selected as designated bridge towards the packet towards the root because the smallest ID is B2

LAN E: Connected to root bridge B1

LAN F: The bridge B3 is closer to the root bridge. Therefore its the designated port

LAN G: B3 is elected as the designated port because its closer to the root bridge

LAN H: B3 and B6 are connected to LAN I

LAN I: B4 and B6 are connected to LAN J

LAN J: Bridge B6 connected to LAN J. As it is connected to the single bridge, it uses that bridge to forward the packets towards the root bridge

- B5 is then blocked due to not being used as a designated port to LAN's B and F

3.15:-

B1: A-interface: A B2-interface: C (not D)

B2: B1-interface: A B3-interface: C B4-interface: D

B3: B2-interface: A, D C-interface: C

B4: B2-interface: A (not C) D interface: D