

Problem 2.1

a) Root Bridge – B1

Root Port:

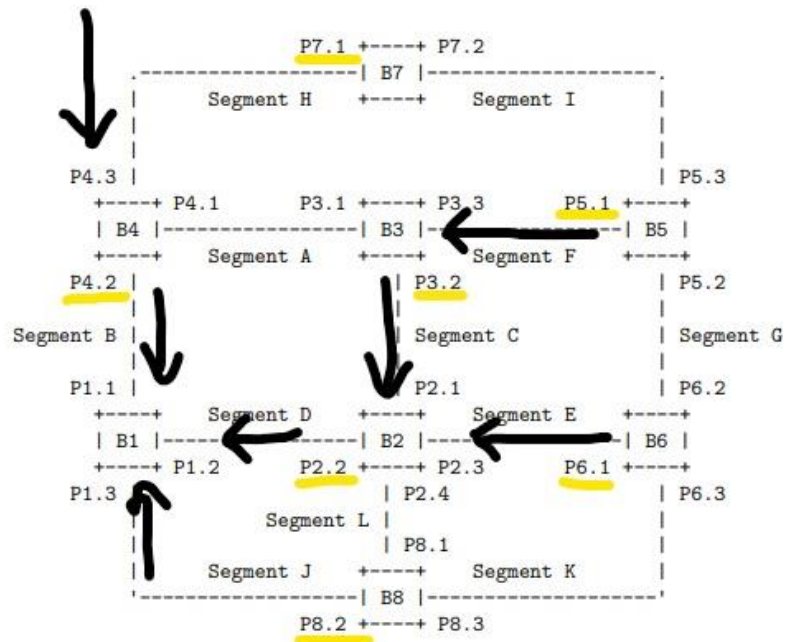
Bridge	Port
B2	P2.2
B3	P3.2
B4	P4.2
B5	P5.1
B6	P6.1
B7	P7.1
B8	P8.2

Designated Port:

Segment	Port
A	P4.1
B	P1.1
C	P2.1
D	P1.2
E	P2.3
F	P3.3
G	P6.2
H	P4.3
I	P7.2
J	P1.3
K	P8.3
L	P2.4

Blocked Port:

Bridge	Port
B3	P3.1
B5	P5.2, P5.3
B6	P6.3
B8	P8.1



b) Root Bridge – B2

Root Port:

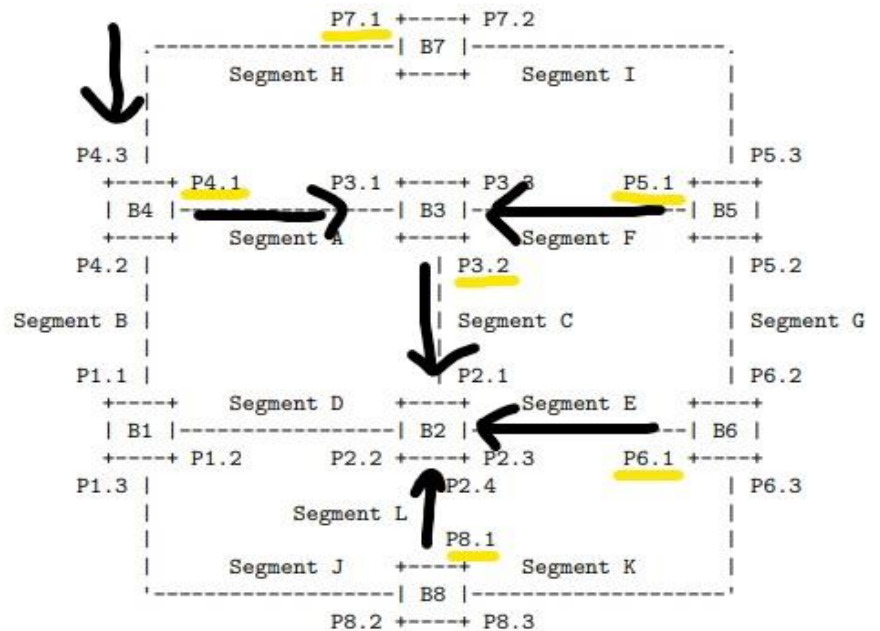
Bridge	Port
B3	P3.2
B4	P4.1
B5	P5.1
B6	P6.1
B7	P7.1
B8	P8.1

Designated Port:

Segment	Port
A	P3.1
B	P4.2
C	P2.1
D	P2.2
E	P2.3
F	P3.3
G	P6.2
H	P4.3
I	P5.3
J	P8.2
K	P6.3

Blocked Port:

Bridge	Port
B5	P5.2
B7	P7.2
B8	P8.3



Problem 2.2

2.2 a)

packets: 106280.

bytes: 19689056.

endpoint: 52837 packets, 6826k bytes.

Percentage of broadcast packets: 49.7149% bytes: 34.6690%.

P.S: Screenshots of the results are in the zip file.

2.2 b)

source: 00:0c:30:80:d5:55

destination: 01:80:c2:00:00:00

how frequently are PDUs sent: 2 seconds / packets

root bridge identifier: 24576 – bridge priority, address: 00:0c:30:80:d5:40.

24576 / 5 / 00:0c:30:80:d5:40.

P.S: Screenshots of the results are in the zip file.

2.2 c)

We can observe:

- Dynamic Discovery Protocol
- Service Advertisement Protocol
- NetBIOS over IPX
- Zone Information Protocol
- IPX Routing Information Protocol
- Cisco Discovery Protocol
- Microsoft Windows Browser Protocol