Q-3.)
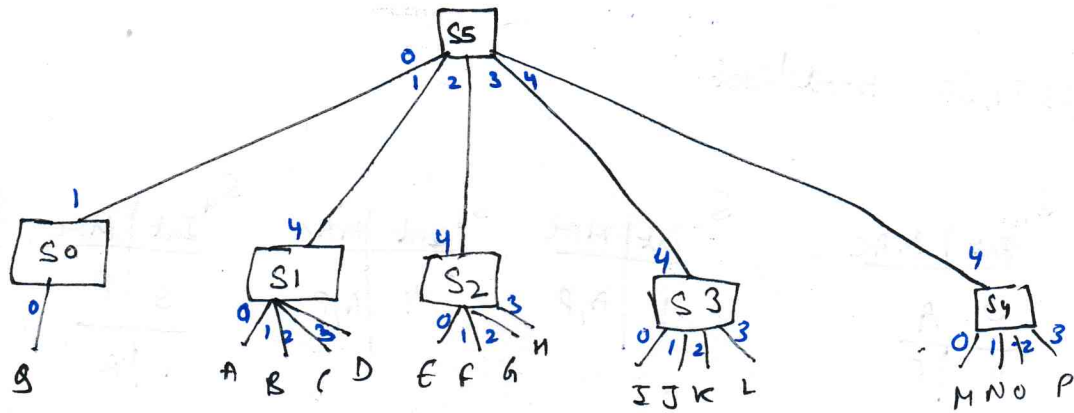

Only showing filled entries

a) A ⟶ L

S1 broadcasts & stores MAC of A at interface 0

S5 broadcasts " " " " " " " 1

S0 " " " " " " " 1

S2 " " " " " " " 4

S3 " " " " " " " 4

S4 " " " " " "

S0:

Interface	MAC
1	A

S1

Interface	MAC
0	A

S2

Interface	MAC
4	A

S3

Interface	MAC
4	A

S4

Interface	MAC
4	A

S5

Interface	MAC
1	A

b.) P → Q

S0, S1, S2, S3, S4, S5   broadcast.

S0

Port	MAC
1	A,P

S1

Int	MAC
0	A
4	P

S2

Int	MAC
4	A,P

S3

Int	MAC
4	A,P

S4

Int	MAC
3	P
4	A

S5

Int	MAC
1	A
4	P

c.) Q → P

S0   sends via   port 1
S5   sends via   port 4
S4   sends via   port 3

S0

Port	MAC
0	Q
1	A,P

S1

Int	MAC
0	A
4	P

S2

Int	MAC
4	A,P

S3

Int	MAC
4	A,P

S4

Int	MAC
3	P
4	A,Q

S5

Int	MAC
0	Q
1	A
4	P