

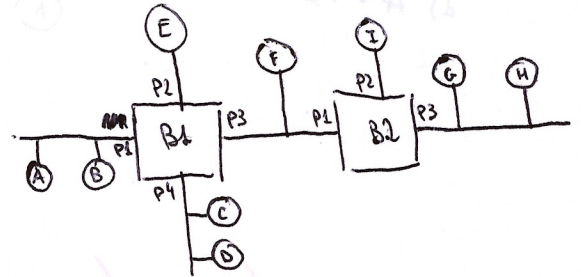
6. INTERCONNECTION

- 6.1. [1 2 3 4]
 6.2. [1 2 3]
 6.3. [1 2 3]

6.1. FORWARDING

6.1A.

In the figure, B1 and B2 are learning bridges.



a) Draw the forwarding tables after B receives a frame from A.

b) Draw the F. tables after $H \leftarrow I$

c) Draw the F. tables after $H \leftarrow A$

d) Draw the F. tables after $I \leftarrow A$

e) How many times E and G forward A's frames if

- $G \rightarrow E$
- $A \rightarrow G$
- $B \rightarrow A$
- $A \rightarrow B$
- $A \rightarrow D$

f) How many of A's frames were processed by D

g) How many of A's frames were processed by I

h) " " " " " " " " E

i) " " " " " " " " H

	B1		B2		A's frames fwd		A's frames processed				
	ID	P	ID	P	by E	by G	D	I	E	H	
a) (A→B)	A	1	A	1							a)
b) (I→H)	I	3	I	2							b)
c) (A→H)											c)
d) (A→I)											d)
e) i) (G→E)	G	3	G	3		1					e) i)
ii) (A→G)											ii)
iii) (B→A)	B	1									iii)
iv) (A→B)					1	1					iv)
v) (A→D)											v)
					1	2	3	4	3	4	

e) [E: 1, G: 2]

f) [D: 3]

g) [I: 4]

h) [E: 3]

i) [H: 4]