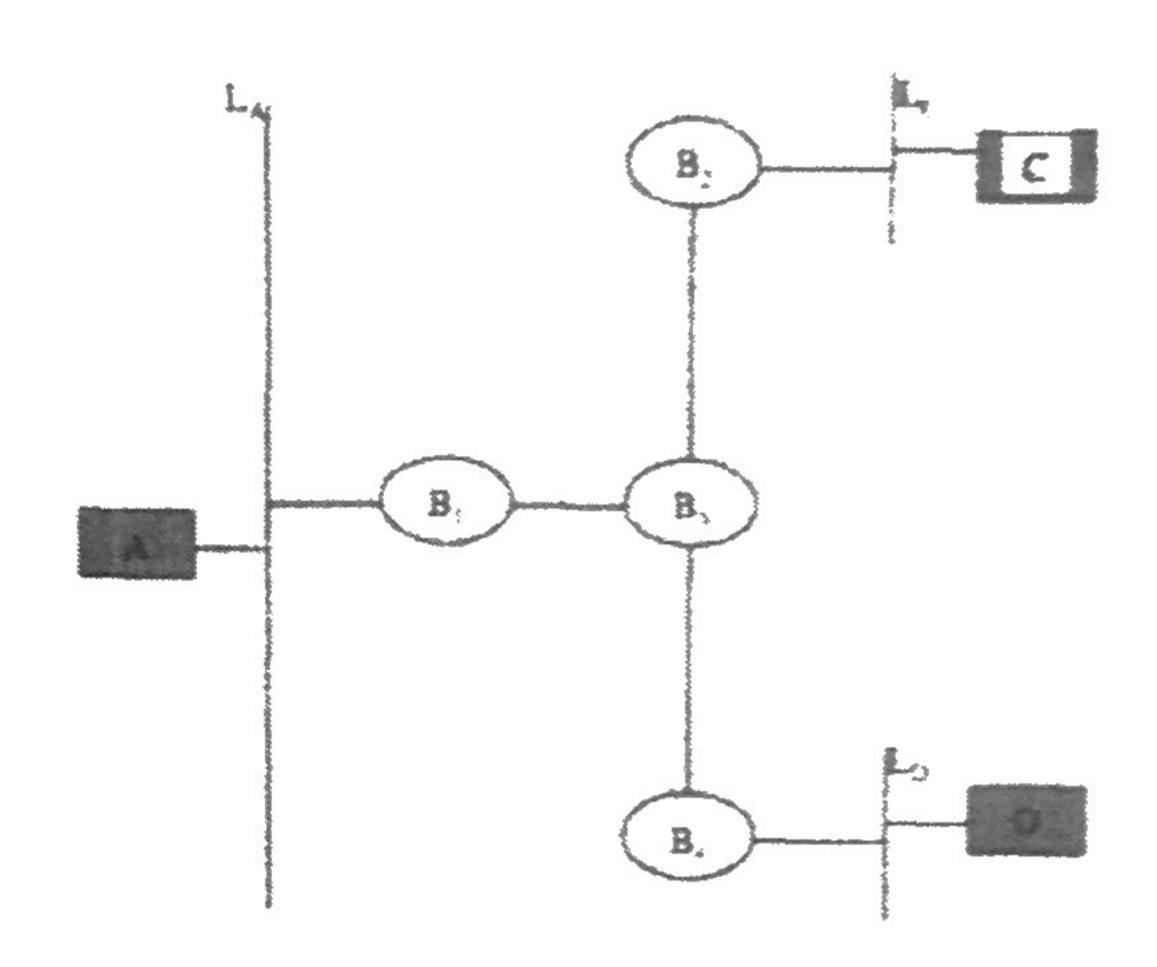
12. [12 points]: Consider the bridge topology shown the figure below. Assuming that all of the forwarding tables are initially empty, write out the forwarding tables at each of the four bridges B_1 through B_4 at the conclusion of the following transmissions:



- 1. A sends to D
- 2. D sends to A
- 3. C sends to A

In the forwarding table at each node, identify the port by the unique LAN segment $(L_A, L_C, \text{ or } L_D)$ reachable using that port, unless there isn't one, in which case use the identifier of the neighboring bridge to identify the port.

After A sends to D:

B_1		B_2		B_3		B_{4}	
Destination	Port	Destination	Port	Destination	Port	Destination	Port
A	LA	A	B2	A	R.	A	2
C	_	C	_	C		C	23
D		D	-	D	_	D	

After D sends to A:

B_1		B_2		B_3		B_{4}	
Destination	Port	Destination	Port	Destination	Port	Destination	Port
A	LA	Α	B3	A	B,	A	B
C	-	C	_	C		C	-3
D	Ba	D		D	34	D	•

After C sends to A:

B_1		B_2		B_3		B_{4}	
Destination	Port	Destination	Port	Destination	Port	Destination	Port
A	LA	A	83	A	β,	A	B
C	32	C	Lac	C	6-	C	3
D	Bo	D		D	R	D	, _
	-5				24		

Name: