

CS 357 - Computer Networks I

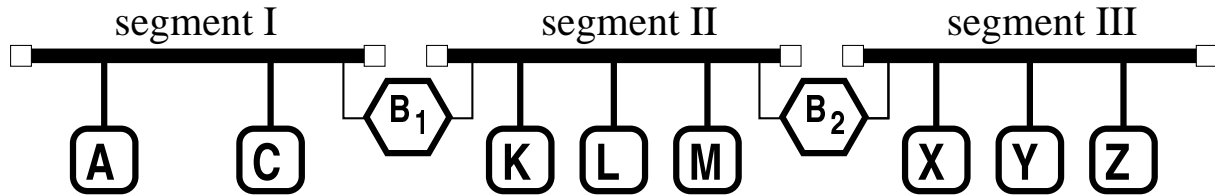
Assignments 3

Due Wednesday June 5, 2002 @ 8:30 a.m.

Due on the CS 357 locker No. 103, MC building, ground floor (beside the elevator)

Do not forget to write CLEARLY your name, your student number, and sign the submission form

Consider having 3 LAN segments, I, II, and III. Segment I has 2 computers A and C. Segment II has 3 computers K, L, and M. Segment III has 3 computers X, Y, and Z. Segment I is connected to segment II using a bridge, B1. Segment II is connected to segment III using another bridge, B2.



Build the lists in each bridge, according to the following events, and state the actions that both bridges take after each event.

No.	Event	Bridge B <sub>1</sub>		Bridge B <sub>2</sub>		Action in B1	Action in B2
		List for segment 1	List for segment 2&3	List for segment 1&2	List for segment 3		
1	B <sub>1</sub> & B <sub>2</sub> boot						
2	C sends to A						
3	M sends to A						
4	M sends to Z						
5	A sends to C						
6	X broadcasts						
7	Z sends to K						
8	K sends to Y						
9	C sends to A						
10	K sends to C						
11	X sends to Y						
12	Y sends to K						
13	Z sends to A						
14	M broadcasts						
15	B <sub>1</sub> boots						
16	Z sends to X						
17	M sends to X						
18	X sends to M						
19	A sends to C						
20	K sends to A						
21	B <sub>1</sub> boots						
22	K sends to A						
23	X sends to Y						
24	Z sends to M						
25	L sends to C						