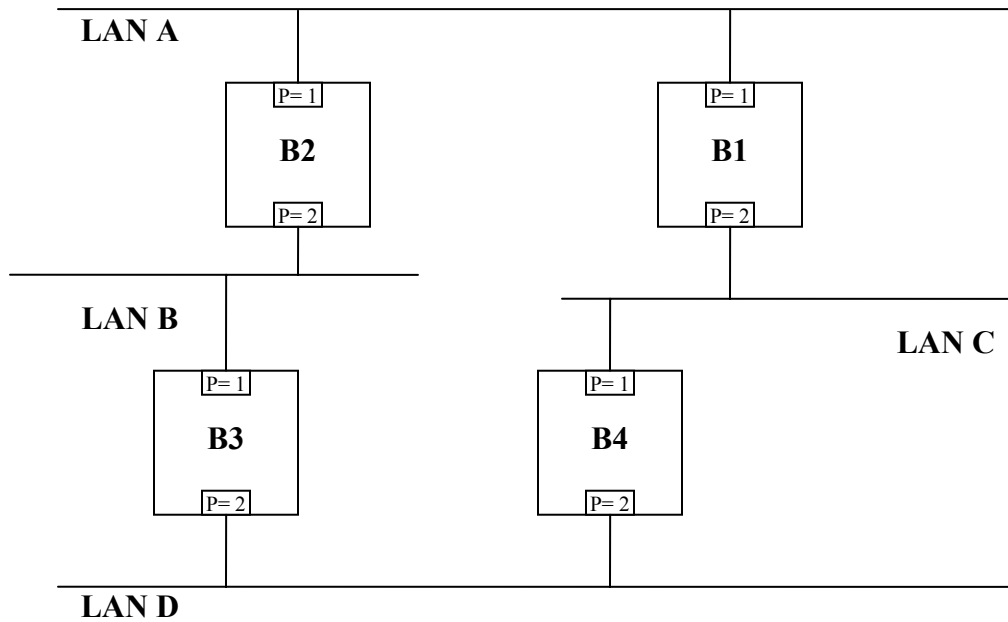**COE 444 - Internetwork Design and Management (Section 01)**
Fall 2004 (Term 041)

Pop Quiz 1
Date: Wednesday, September 22, 2004

Q1. (10 points) Given a network consisting of three 100 Mbps Ethernet LANs interconnected by 4 bridges as illustrated in the figure below. Note that <u>the ID of each bridge is its name</u>.

Assume that we are using fixed routing to configure the bridges. Determine the **central routing directory** for all LANs, and the **routing table for Bridge B3**.
If alternate routes are available then chose the one with <u>the least number of hops</u>. If they are the same then choose the one with <u>the lowest bridge ID</u>.

Central routing directory

		Source LAN			
Destination LAN					

B3 Table			
From ………		**From ………**	
Dest.	**Next**	**Dest.**	**Next**