CSE 461: Bridging LANs

Next Topic -- Switching (a.k.a. Bridging)

Focus:

• What to do when one shared LAN isn't big enough?

Interconnecting LANs

Bridges and LAN switches

• A preview of the Network layer

Application Presentation Session Transport Network Data Link Physical

























Algorithm continued

- Initially, each bridge believes it is the root
 - when learn not root, stop generating configuration messages
 - instead, forward root's configuration message
 - incrementing distance field by 1
 - in steady state, only root generates configuration messages











Key Concepts

- We can overcome LAN limits by interconnection
 - Bridges and LAN switches
 - But there are limits to this strategy ...