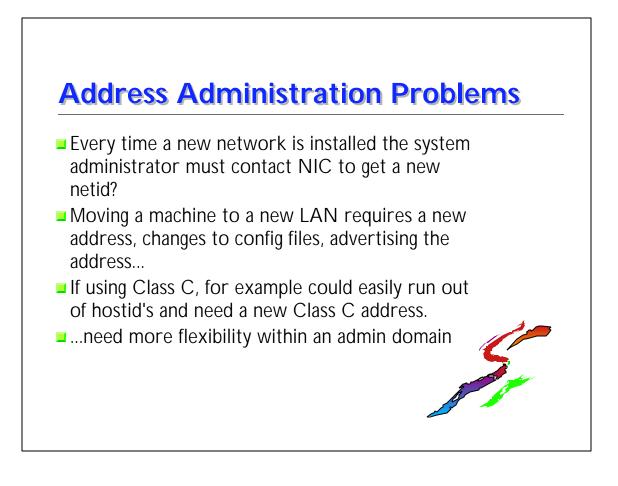
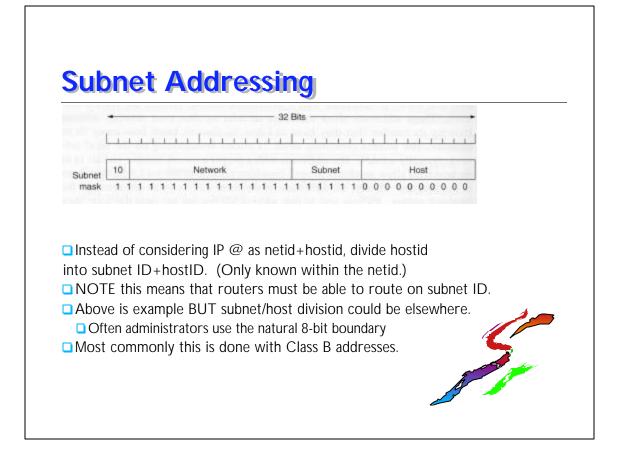
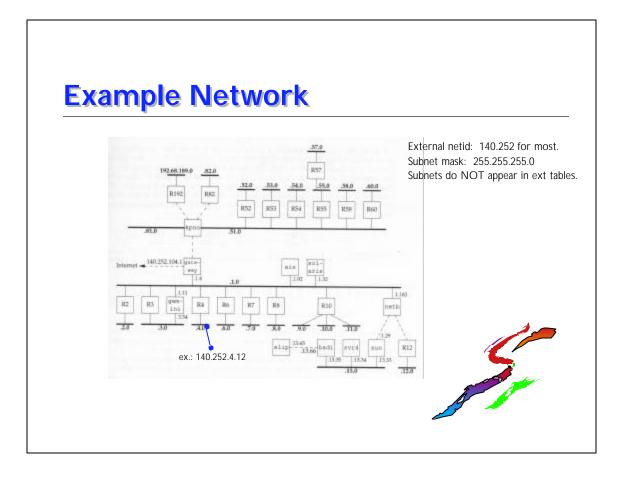
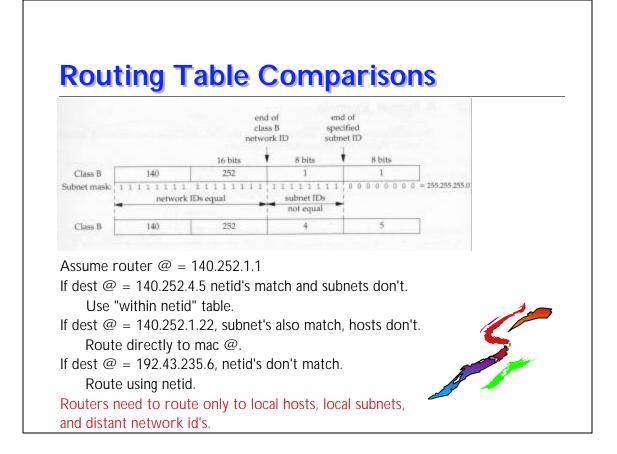


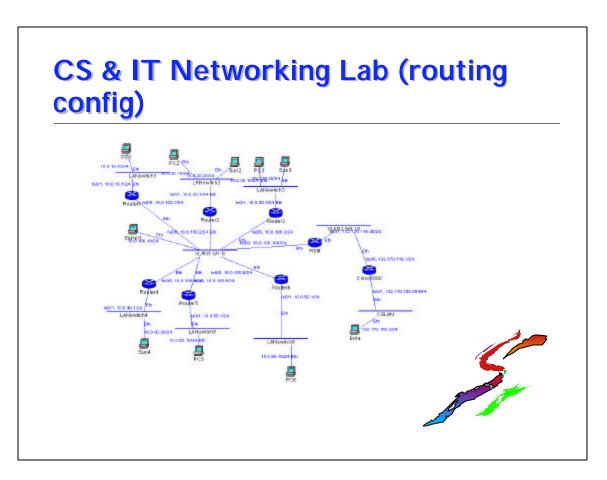
	•				Bits		- 2621 -
lass	نيا				luuul		Bange of host
A	0	0 Network		Host			1.0.0.0 to 127.255.255.255
в	10		Network		Host		128.0.0.0 to 191.255.255.255
с	110			Network		Host	192.0.0.0 to 223.255.255.255
D	11	0	12.00	Mult	icast address	in the first	224.0.0.0 to 239.255.255.255
E	11	1110 Reserv			ed for future use		240.0.0.0 to 247.255.255.255







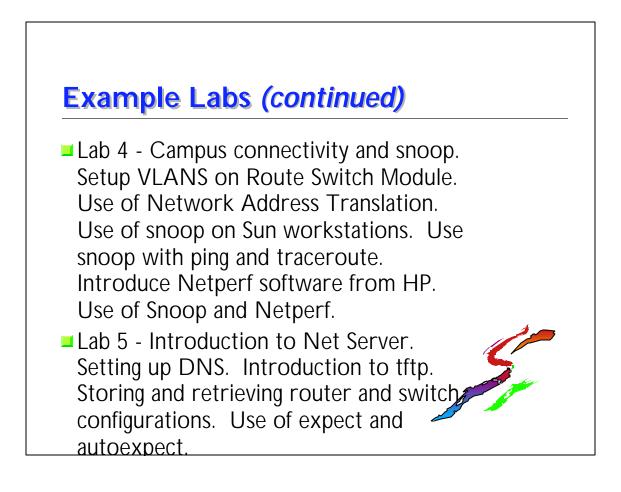




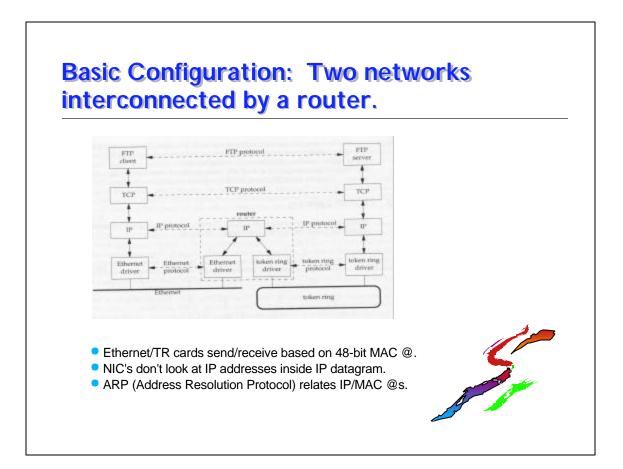
Example Labs

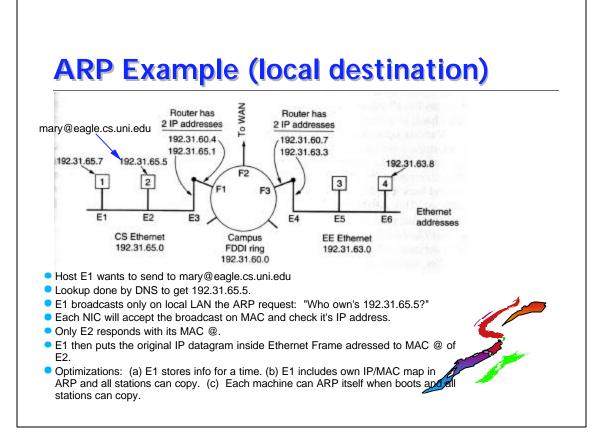
- Lab 1 Cabling: Types of cabling and how they're wired. Open, crossed, split-pair, NEXT...testing.
- Lab 2 Introduction to routing (over Ethernet) at workstation. Set IP address and default gateways in Unix and Windows workstations using console.
 Addess classes and subnet masks. Use of ping, traceroute, telnet, FTP on local segments.

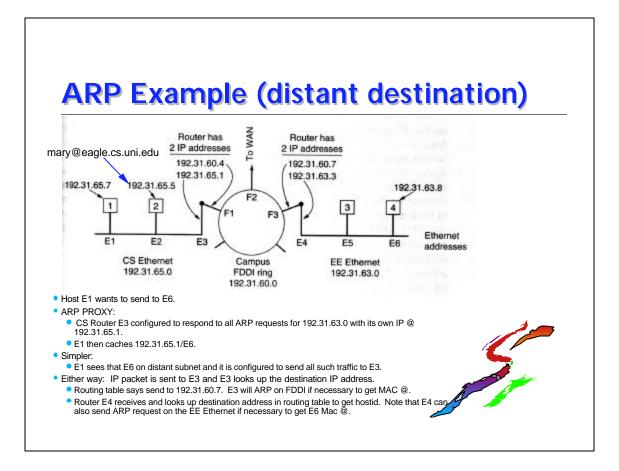
Lab 3 - CISCO IOS router and 5500 switch configurations. Console port

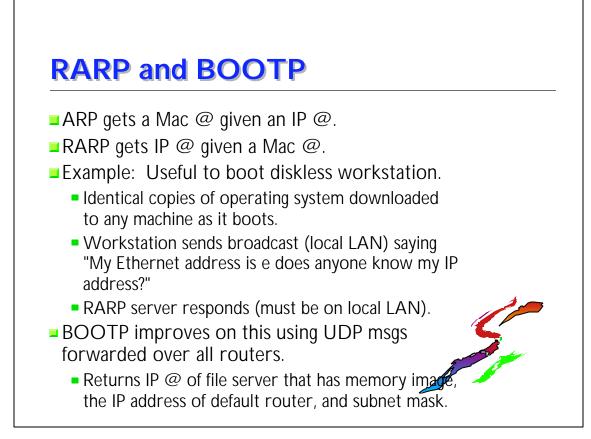












OSPF: "The" Interior Gateway protocol Original Internet IGP was RIP (distance vector) that suffered from count-to-infinity problem. Replaced by link-state protocol based on Dijkstra's algorithm in 1979. IETF has now "standardized" a new protocol (Open Shortest Path First: RFC 1247). Supports different ToS classes, load balancing, topology changes, hierarchical routing, security.

