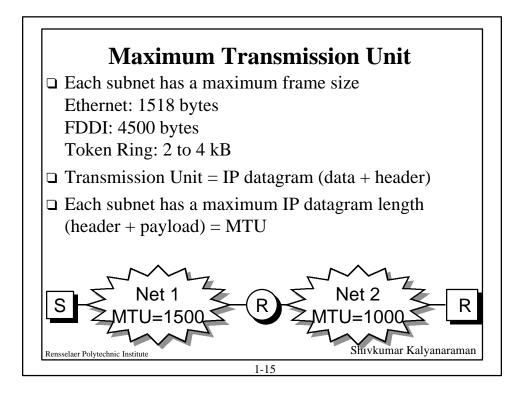
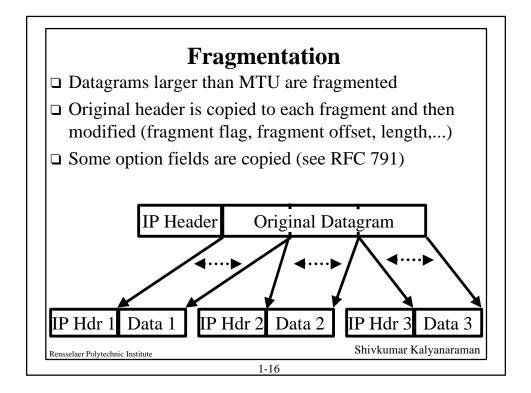
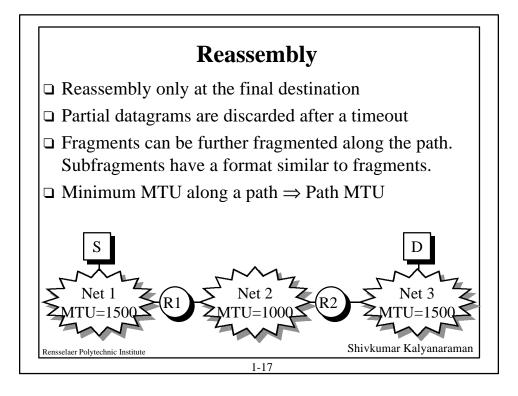


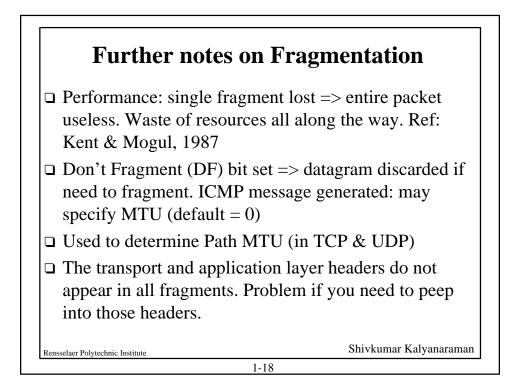
1-13

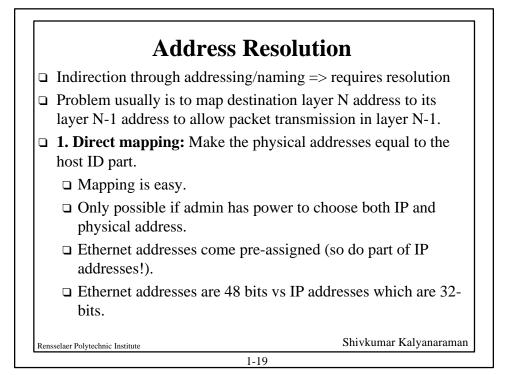
0 4 8	3	16	
Vers H Len	TOS	Total L	ength
Identification		Flags Fragment Offset	
Time to live	Protocol	Header Checksum	
	Source IF	P Address	
	Destination	IP Address	
IP Options (if a		any)	Padding
_	Da	ata	-











ARP techniques (contd) E **2:** Table Lookup: Searching or indexing to get MAC addresses □ Similar to lookup in /etc/hosts for names □ Problem: change Ethernet card => change table **3.** Dynamic Binding: ARP □ The host *broadcasts* a request: "What is the MAC address of 127.123.115.08?" □ The host whose IP address is 127.123.115.08 replies back: "The MAC address for 127.123.115.08 is 8A-5F-3C-23-45-56," □ All three methods are allowed in TCP/IP networks. Shivkumar Kalyanaraman Rensselaer Polytechnic Institute 1-20

