## MEDIUM ACCESS PROTOCOLS

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Static Channel Allocation Traditional Approach of sharing channel is to allot a COMPUTER COMMUNICATION separate NETWORK - Time slot (TDM) or Frequency (FDM) \_ But such approach is not suitable for computer communication, because: - Large number of sender means large delay. Time/Frequency wastage if everybody is not transmitting. \_ Difficult to manage dynamic addition and deletion of \_ stations. LECT-5, S-29 NET98F, javed@kent.edu Javed I. Khan@1998







	ALOHA Protocol	
User		COMPLITED
А		COMPUTER COMMUNICATION NETWORK
В		
С		
D		
E		
	Time	
• Sta the	ations can transmit independently. Only occasionally ere will be collision under light load.	LECT-5, S-33 NET98F, javed@kent.edu Javed I. Khan@1998









































• C	Example Real Protocol Ethernet (IEEE 802.3) • Cabling:						
Name	Cable	Max. segment	Nodes/seg.	Advantages			
10Base5	Thick coax	500 m	100	Good for backbones			
10Base2	Thin coax	200 m	30	Cheapest system			
10Base-T	Twisted pair	100 m	1024	Easy maintenance			
10Base-F	Fiber optics	2000 m	1024	Best between buildings			
					LECT-5, S-54 NET98F, javed@kent.edu Javed I. Khan@1998		



















