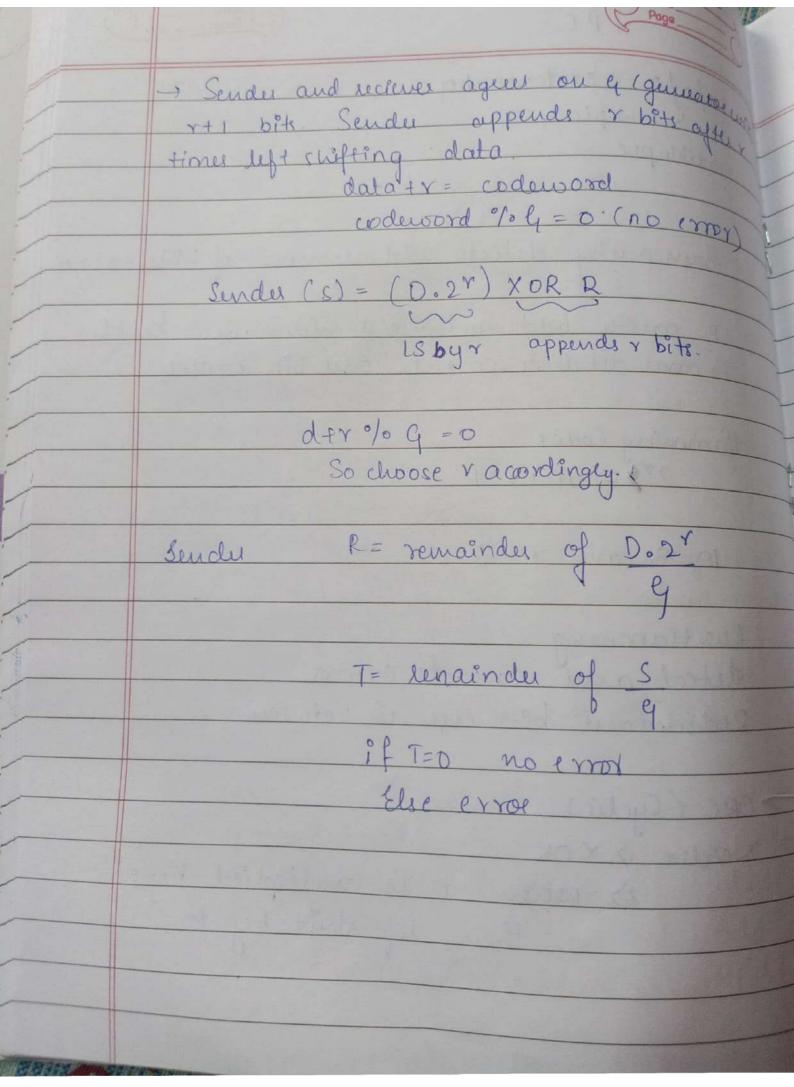
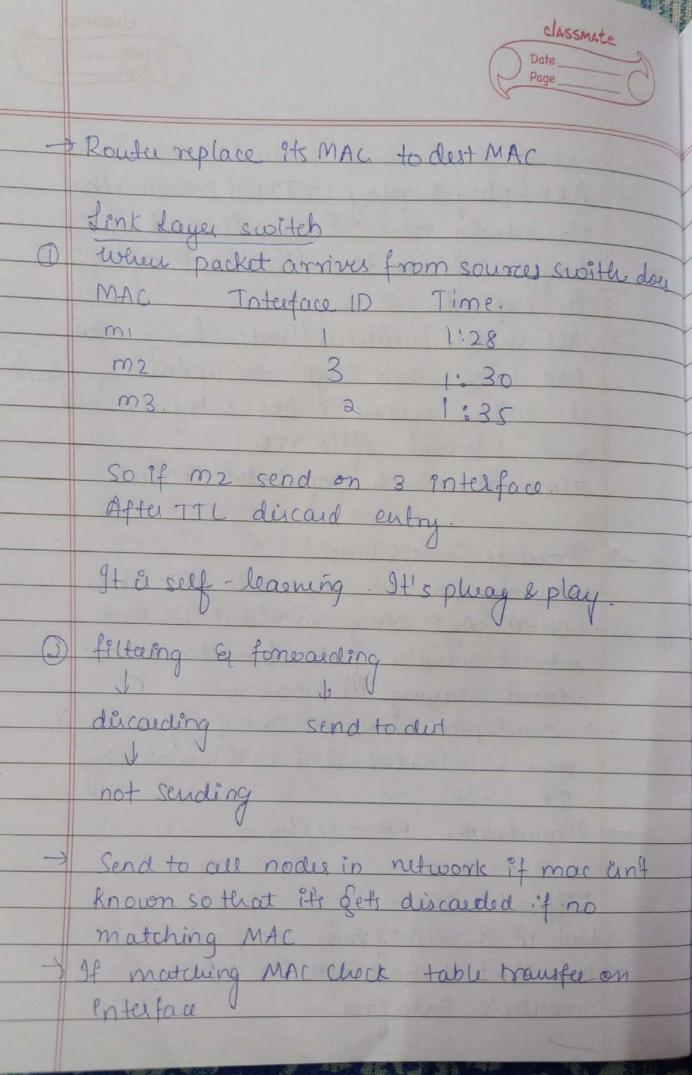
Lost frames are sent several times	
Lost frames are sent several times weather	
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- why errors?	1
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multiple (usual)	1
Redund on an EDC 1810 Buest length	1/11
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Detection vs correction	
actual data missa tradion à recieve que se	141
and aling the following	01)
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(wrt 1)	
Parity check Data(D) Parity (P)	
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- Wein Odd	1
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wen.	1
Even 0 Even even 1 odd	
D+P= Even ones D+P=odd	aul!

ACCUMULATION OF THE PARTY OF TH PIC-> classmate PPC o/o/2 -> port number - pic etixible pic I Even parity detects odd number of bits error 328 parity add vousuire & columnwise both it can detect & correct one bit com -) Hamning Code: 27 = m+r+1 m=3 min r=3. Rwo Hamming detect and correct errors Redundant bêts are in between. -> CRC (Cyclic) -> Needs: i) X OR 2) when n is multiplied by 2k then left shift by k

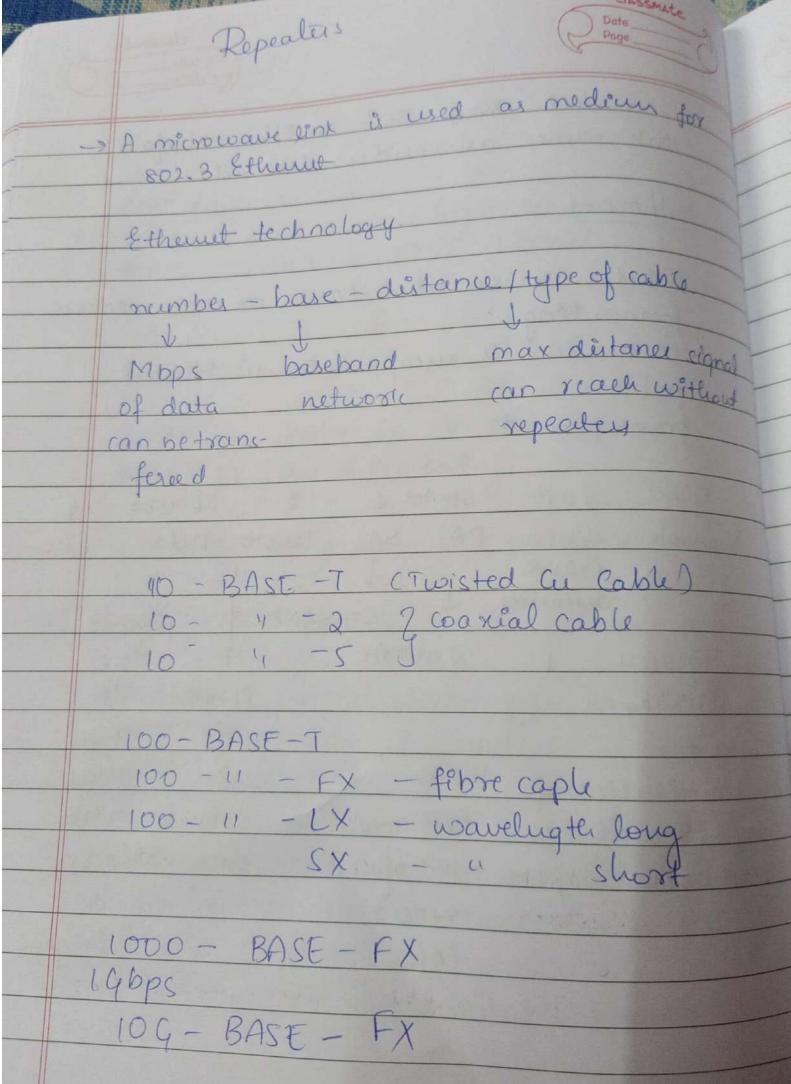


ARP-plug & play - TTL (20min -1hr) No admin me Entry flushed if no traffic from the other host after TTC) All mutees / switches [hosts have own ARP table and logic to update & flu it when system enters entry is made and removed after TTC. Time at which populated is there -> Process: (Same Subnet) -) No row for dest in senders ARP table - Create ARP guery with dest IP and retwork adapter but broadcast mac addless saying it's broadcast. -> So adapter broadcast ARP guy, when it reaches indeuded dest with mostdling Broadcast: FF - (6) times Different cubnet Dest if is dest from diff subnet MAC unit broadcast its MAC vouter's interface



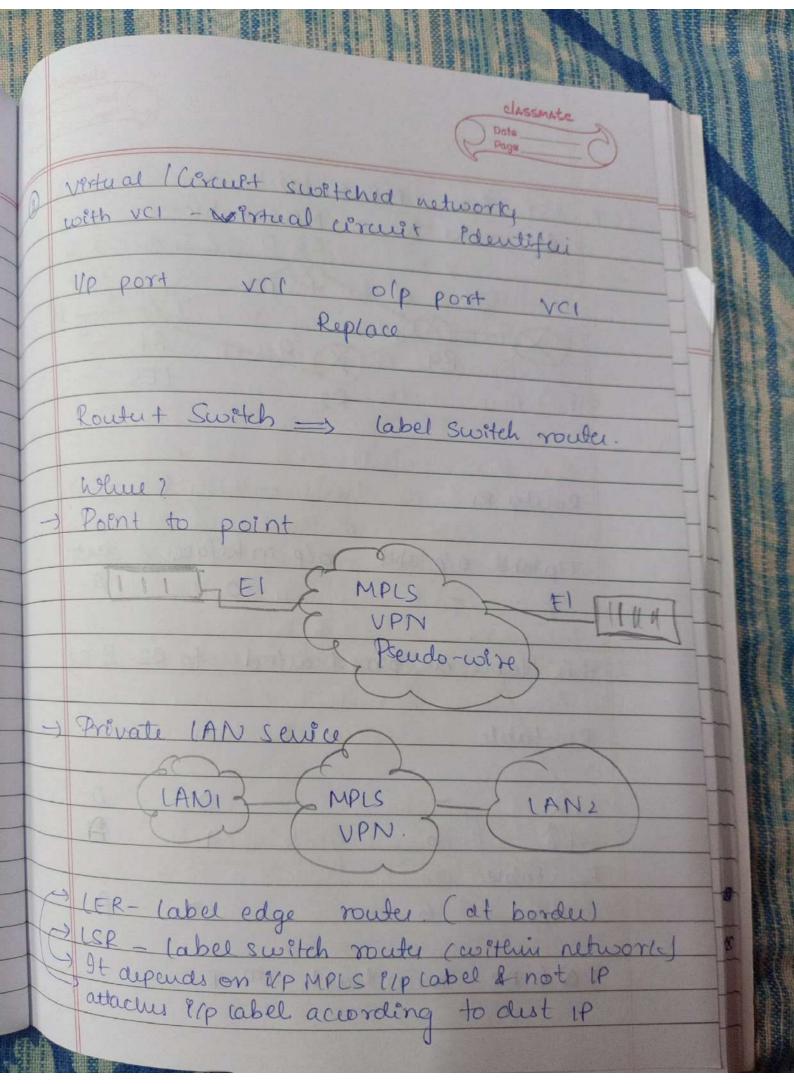
of packet has dut awith interface link same as sender discard Ethernet > It helps in switched IAN's or mac address forwarding. I I header is encapsulated in Etheret frame - frame formal Tbytes 1 byte. 6 bytes 6 2 46-1500 4 Presurdole Start DA SA length Data CRC frame J

delimiter J SourceMAC paycood frame Ithan 1010101 1 dest MAC Rength U alter atively 10 of Stuffe Thytu for two ynchrondration of 11's at IP pody datagram zero time ex speed blo end make encapsulated 71500 2 network adapte. end of SYNC tragmad info



Traffic Psolation when more swither for few hosts in subnet Only some ports of switch works for IAN's and traffic isolation is for So when host leave virtual LAN use can shrink posts no for than LAN make it free of give to another one -) But fow if replaces switch managing I Efficient use of switches Touncking New Etherst frame VLAN TAG lugth Ubytes identifies to which VLAN packet should

ATM, PDH, Ethernet
MPIS (multi protocol label swetching) Combine both cercuit & packet switching MP-Independ of lower layer protocol(an) LS-based on packets PIP Cabels it defermines of label & sende just like in virtual circuit They come with MPIS I link switched routers Entremely fast forwarding MPIS table i/P o/p Replaces
 Bordu protocol (12 t 13) Take ID packet from 13 there add Label transmit to (2
Packet auries (1) - does longest prefin match for dust ip in router table find ofp interface es forwards



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