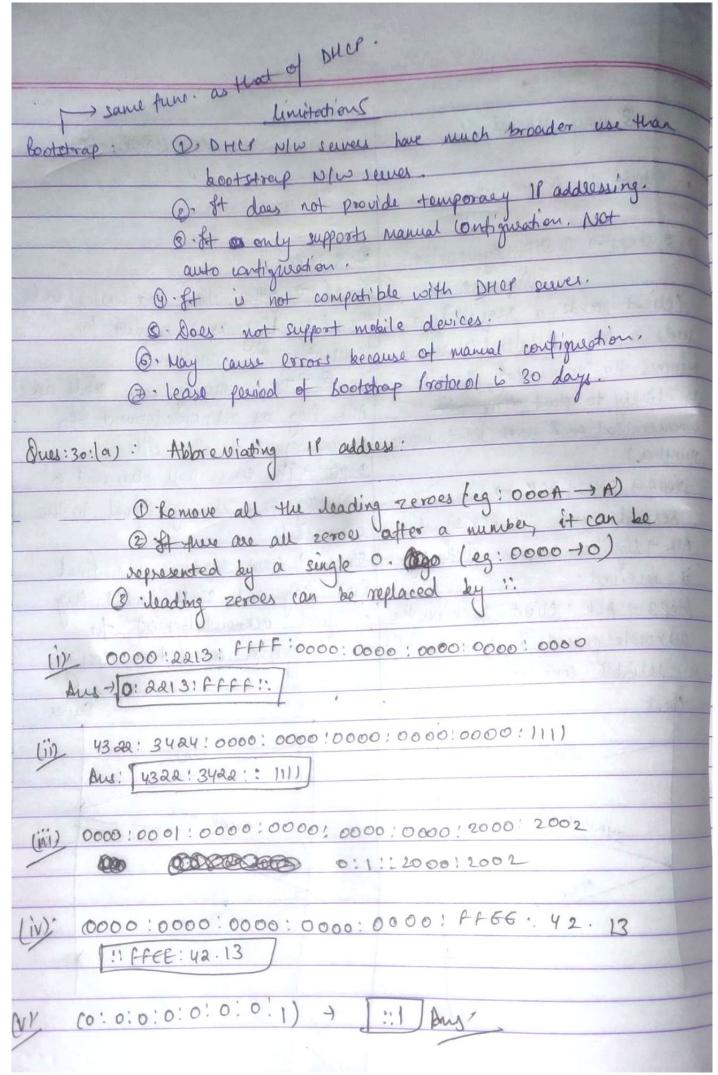
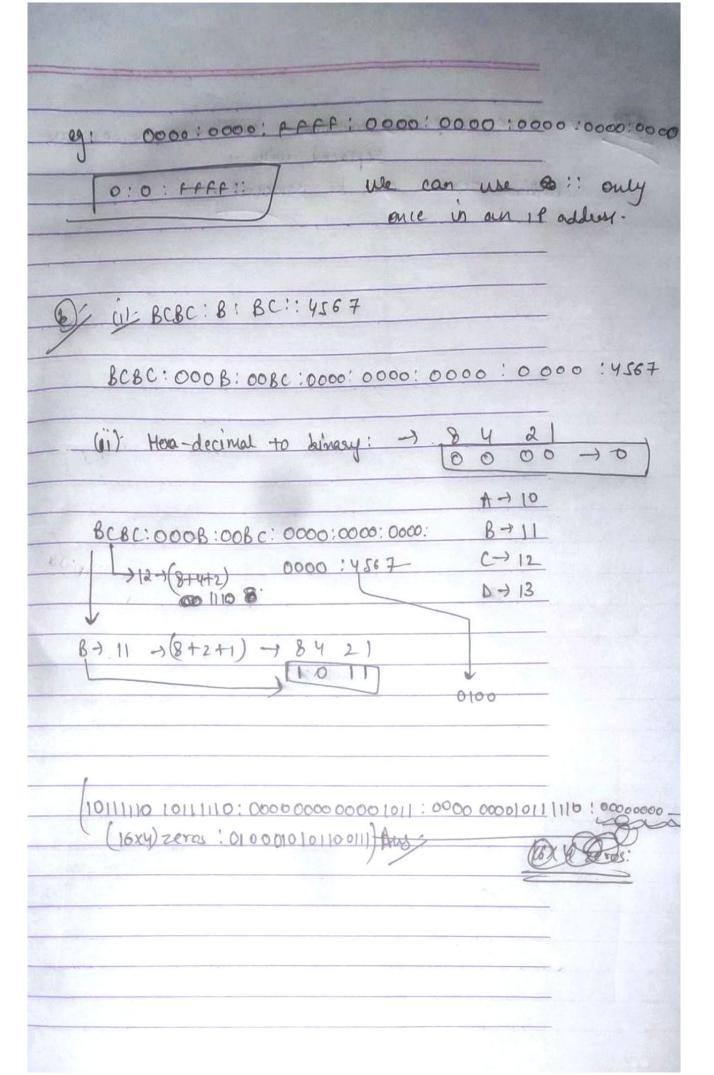
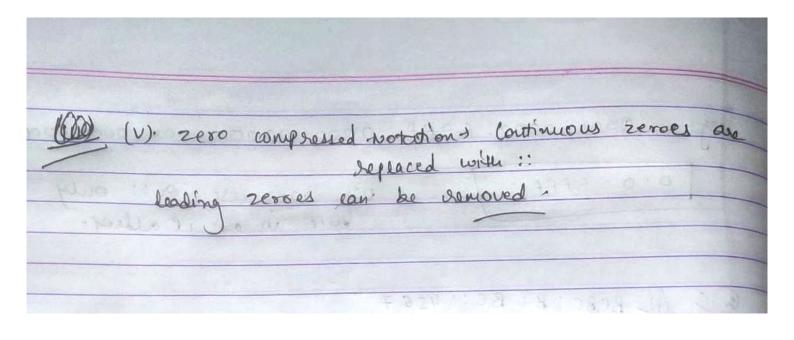
	1
3 way Hardshave	4 way Handshahl.
	V
O Establish a connection	O. Terminate
D. 3 steps → DSYN: Lynchsonice	Q, y steps:
Sequence No.	Step 0 -> Bither client or server lands
(client sends a request loit	the FIN flag as a sieguest for
seeds a sequent with SYN which	termination of connection.
fatormy the server that the client	Step @ - The receiving side sends an
is dively to start convergation	ACK flag as acknowledgement for
communication & with what sequence	
number)	step 3 - The server will also send a
Step 2 + SYN+ ACK => Server	fin flag as a closing eignal to the
responds with SYN ACK Signal.	other Eide.
Ack - signifier response of the segmen	+ Step @ - Client society the final
it received.	FIN frag and sends an ACK frag
Stop 3 - Ach! Client Loceiver the	as final acknowledgement for
	the suggested connection dosing.
a deliable connection.	A1)
Client Sever	Client Seiner.
SYN	AN
3711	
-All	GOOD ACK
SYNTALL	1
Aa.	AN ONB
Ack (Amel)	Final ACK
	ACK DODD
	Ole Ak- Street
	33333333
	1







Step 1 1 of 8

An SCTP data chunk has the following headers:

Chunk type - 8 bit - First 2 hex digits

Reserved - always 0 - 4 bits - Third hex digit

Flags: I, U, B, E. Each of these takes up 1 bit, 4 bits total - Fourth hex digit If the U flag is set, then the chunk is unordered.

Chunk length - 16 bits, 4 hex digits

TSN - sequence number - 8 hex digits

SI - stream identifier - 4 hex digits

SSN - stream sequence number - 4 hex digits

Payload protocol identifier - 8 hex digits

Data...

The first ${\bf 2}$ hex digits are ${\bf 0}$, indicating that this is a data chunk.

Step 2 2 of 8

a)

The fourth hex digits is 0, which means the U flag isn't set. Therefore this is an ordered chunk

Step 3 3 of 8

b)

The B flag marks the beginning fragment. The E flag marks the ending fragment. Neither of these flags are set, therefore this is a middle fragment.

Step 4 4 of 8

c)

The second group of 4 digits 0015_{16} identify the chunk length.

Converting the lenght into decimal: $0015_{16} = 21_{10}$.

A chunk length needs to have a size divisible by 4. So, 3 bytes of padding are necessary.

