

Question 3.

Client: Decompress received state using State 1. Discord the base state.

Server: Receives Acknowledgement of State 2.

Client: Has received State changes with ID of 3. Scever: fails to receive Acknowledgement.

Seever: Hear per changes Since 2. ID is 4, Pocket is Lost.

Client: Decomposes Received State using State 3, Discord 1 and 2 State Seaves: Here one the Changes Since State 3, ID is 5.

Client: Acknowledgement 3 Sout
Souver: Ack Received, Souver Sent Packet 6.

## Question 4. - Use LZW Algorithm to Compress the string BABAABAAA

	BA.	A=9	C = Empty			)= B C:	- Empty	
Encodel	OcalPret	Steina	Table	Encodel	Octhet	Steing	Table	
66	В	256	BA.	66	В	256	BA	
				65	A	257	AB	

BABAA	P=A	C= En	pty		GABARRAA P= A C= Empty				
Encodel	OctPet	Steins	Table		Encodel	Ocatifient	Steina	Table	
66	В	756	BA		66	B	256	BA	
65	A	257	AB		63	A	257	AIS	
256	BA	258	BAA.		256	BA	252	BAA	
					257	AB	259	ALA.	
	Encodel 66 65	Encodel output 66 6 65 A	Encodel output String 66 6 256 65 A 257	Encodel outlet Steing Table 66 6 256 BA 65 A 257 AB	Encodel output Steing Table  66 6 256 BA  65 A 257 AB	Encodel nutrat String Table  66 6 256 BA 65 A 257 AB 256 BA 258 BAA.  256	Encodel outher Steing Table  66 6 756 8A  65 A 257 AB  256 BA  256 BA  256 BA  256 BA  256 BA  256 BA	Encodel output Steing Table  Encodel output Steing  Encodel output S	Encodel outflut Steing Table  Encode

BA	BAABAA	4=9	C= 4	BABARRAAA P=AA C= Empty
Encodel	Output	Steing	Table	Encodel outflut Steins Table
66	B	256	<u>G</u> A	66 R 256 BA
65	A	257	AB	65 A ST NB
256	BA	258	BAA	256 BA 258 BAA
257	AR	259	NBA	257 NB 259 NDA
65	A	260	AA	65 A 860 AA
				260 AA