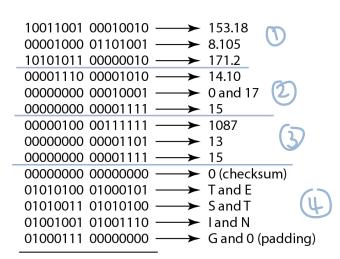
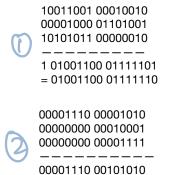
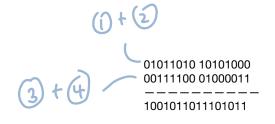
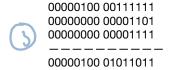
1. 다음은 UDP segment (header와 data)와 pseudo-header 를 나타내고 있다. Check sum을 계산하십시오. (10점)

153.18.8.105			
171.2.14.10			
All Os	17	15	
1087		13	
15		All Os	
Т	E	S	Т
I	N	G	All Os

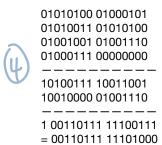








... Checksum = 0110100100010100



2. Assume that GBN (N=4) sliding window algorithm is used, and a timeout interval is 2*RTT. **Draw a timeline diagram** for the scenario that the 4th packet (seq. no.=3) is lost and the ACK packet of the 3rd packet (seq. no. = 2) is lost. In timeline diagram, describe the status of sender and receiver window and whether the received packet is accepted or discarded. (Assumptions: cumulative ACK is used. The ACK number is the next expected number. The sequence number of data packet begins with '0'. NAK is not used. And more than 5 packets can be transmitted within the RTT, and the RTT is fixed.) (20점)

(이 문제에 대해서 **부분 점수는 없습니다**. 완전히 맞은 경우만 점수가 주어집니다. Timeline diagram은 loss와 관련된 효과가 완전히 없어질 때까지 그려야 합니다)

