
Homework V

CHAPTER IV

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COMPUTING AN INTERNET CHECKSUM

Question 1. What is the sum of these two 16 bit numbers? 1101-1101-0100-0100

Question 2. Using the sum from question 1, what is the checksum? 0010-0010-1011-1011

RELIABLE DATA TRANSFER: RDT 3.0

Transition Sequence: S0, R3, S1, S2, R0, S1, *, R1, S3, S5, S7, R2, S8 —S2

Transition Sequence: S0, S2, R0, S3, S5, R2, *, S7, R3, S8—S6

TCP SEQUENCE AND ACK NUMBERS WITH SEGMENT LOSS

Question 1. Give the sequence numbers associated with each of the 4 segments sent by the sender. —320,793,1266,1739

Question 2. Give the ACK numbers the receiver sends in response to each of the segments. If a segment never arrives use 'x' to denote it. —793,1266,1739,2212