

Grade Book Detail

Chapter 4 exercise

Started: November 25, 2019, 4:36 pm

Last change: November 29, 2019, 10:00 pm

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ch4-17. Sketch the Manchester encoding for the bit stream: 0001110101.

01010110101001100110

The signal is a square wave with two values, high (H) and low (L). The pattern is LHLHLHHLHLHLLHLLHHL.

Question 1: 0 out of 10 in 1 attempt(s)

ch4-2. A group of N stations share a 56-kbps pure ALOHA channel. Each station outputs a 1000-bit frame on an average of once every 100 sec, even if the previous one has not yet been sent (e.g., the stations can buffer outgoing frames). What is the maximum value of N?

A:

1030

1030

Question 2: 10 out of 10 in 1 attempt(s)

Briefly describe the difference between store-and-forward and cut-through switches.

A store-and-forward switch stores each incoming frame in its entirety, then examines it and forwards it. A cut-through switch starts to forward incoming frames before they have arrived completely. As soon as the destination address is in, the forwarding can begin.

Question 3: 0 out of 10 in 1 attempt(s)

Q. What is the baud rate of the standard 10-Mbps Ethernet?

A. 20 _____ Mbaud

20

Question 4: 10 out of 10 in 1 attempt(s)

ch4-21. Consider building a CSMA/CD network running at 1 Gbps over a 1-km cable with no repeaters. The signal speed in the cable is 200,000 km/sec. What is the minimum frame size in bytes?

A:

1250

1250

Question 5: 9 out of 10 in 2 attempt(s)

Total: 29/50

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