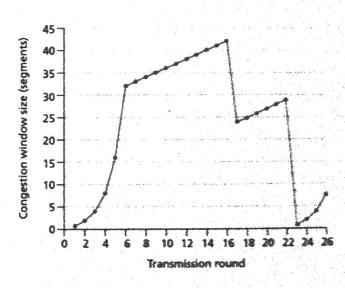
Names:

 Consider a protocol that has just 4 header fields, with one of them being an 8-bit checksum. If the three other fields have the hex values given below, determine what the checksum field will be. Show all your work.

0x6C	0x3E
0xA2	checksum

- 2. Answer the following questions based on the given figure.
 - a. What is the value of ssthresh at the 18th round?
 - b. What is the value of ssthresh at the 24th round?
 - c. During what transmission round is the 70th segment sent?
 - d. Assuming a packet loss is detected after the 26th round by the receipt of a triple duplicate ACK, what will be the values of the congestion window size and of sstresh?



- a) set to 1/2 curd at time of loss in round 1/4: sethresh@18=42/2=21
 - 6) set to 12 curd at time of toss in round 22: setterash@24=29/2=[145]=14
- c) curry from round 1-6 sends 1+2+4+8+16+32
 = 63 packets. Round 7 sends 33 packets, so
 70th packet sent in round 7
 d) sethiresh @ ZPEth round = 1/2 of curry at loss = 4
 curry = 95thresh + 3MSC = 7

Ans bas

C.

d.