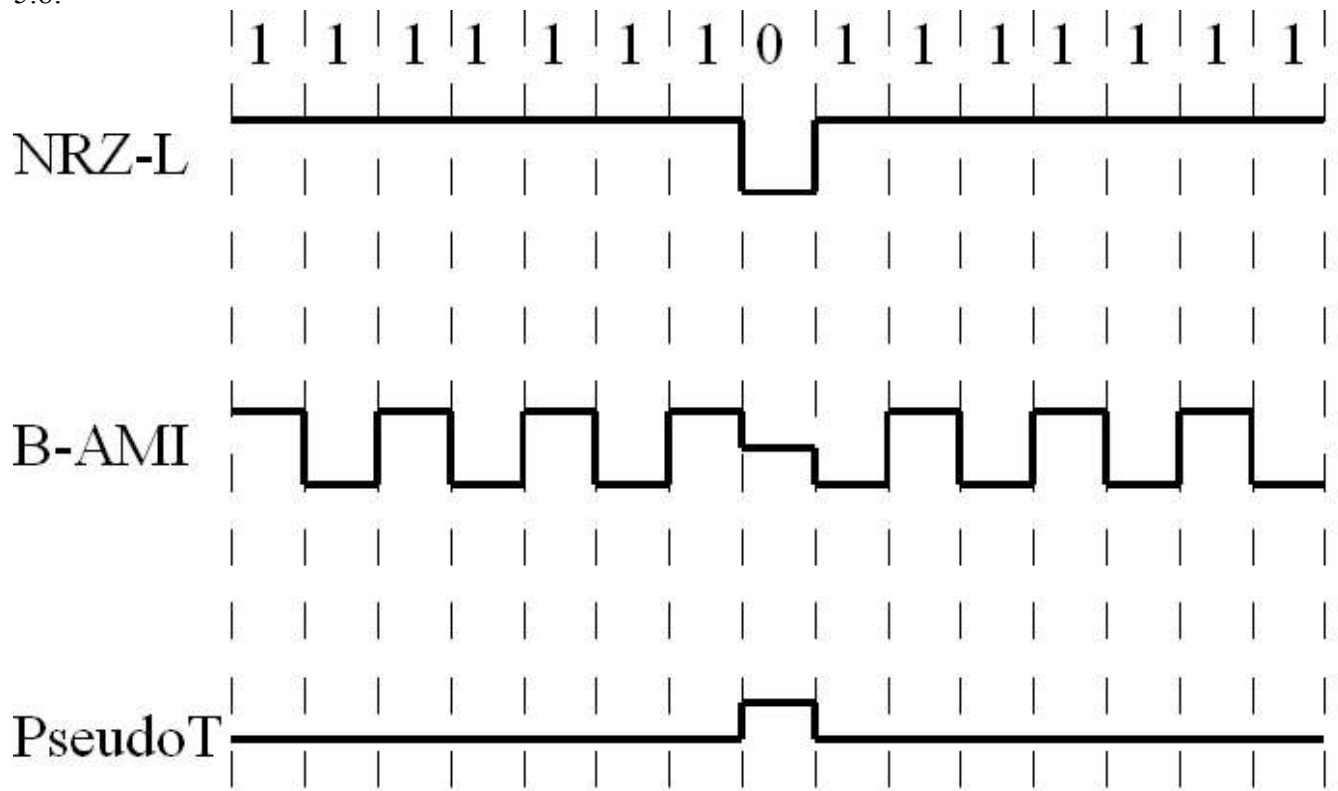


Chapter 5 Problems Philip Bock

5.7: 1110011010

5.8:



5.9: Bit 7 contains the error. The level does not alternate polarity from the previous 1.

5.14:

5.16:

5.19: 61.96 dB

5.20: a) 25.83 levels b) $4.69 \text{ bits} \times 7000 \text{ samples/second} = 32\text{kbps}$