




As we know, many line coding techniques face the common issue of consecutive 0's that may cause the receiver to lose self synchronization or have DC components. To mitigate the issue, we have introduced a 3B/4B block coding scheme shown in the table below. Based on this block coding scheme, draw a digital signal using NRZ-I line coding technique for the following data stream.  
**Data: 1 0 0 0 0 0 0 1 0 1 1**

\*

Data Sequence	Encoded Sequence
000	1110
001	1101
010	0101
011	1001
100	0111
101	1111
110	1010
111	0101

Submitted files

 photo\_2024-07-10\_23-40-58 - SUMAIYA HOSSAIN SUROVI.jpg