**LINEAR CONVOLUTIONAL CODES**

**OUTPUT 1:**

Enter top adder sequence: [1 0 1 0 0 1]

Enter lower adder sequence: [1 0 1 1 1 0]

Enter message sequence: [1 1 1 0 0 0 1 1 0]

Output of Convolutional Encoder

1. 0.

1. 1.

1. 0.

1. 1.

1. 0.

0. 0.

0. 1.

0. 0.

0. 0.

1. 0.

1. 1.

1. 1.

1. 1.

0. 0.

Total number of parity bits generated

28.

Output of Convolutional Encoder (Using convol() function)

1. 0.

1. 1.

1. 0.

1. 1.

1. 0.

0. 0.

0. 1.

0. 0.

0. 0.

1. 0.

1. 1.

1. 1.

1. 1.

0. 0.

Total number of parity bits generated

28.

**OUTPUT 2:**

Enter top adder sequence: [1 1 1]

Enter lower adder sequence: [1 0 1]

Enter message sequence: [1 0 0 1 1]

Output of Convolutional Encoder

1. 1.

1. 0.

1. 1.

1. 1.

0. 1.

0. 1.

1. 1.

Total number of parity bits generated

14.

Output of Convolutional Encoder (Using convol() function)

1. 1.

1. 0.

1. 1.

1. 1.

0. 1.

0. 1.

1. 1.

Total number of parity bits generated

14.