

**Problem 7.6**

The sequence 11011100 is applied to an MSK modulator. Assuming that the angle  $\theta(t)$  of the MSK signal is zero at time  $t = 0$ , plot the trellis diagram that displays the evolution of  $\theta(t)$  over the eight binary symbols of the input sequence.

Solution

Evolution of the phase  $\theta(t)$  of the MSK signal produced by the sequence 11011100 is displayed in Fig. 1.

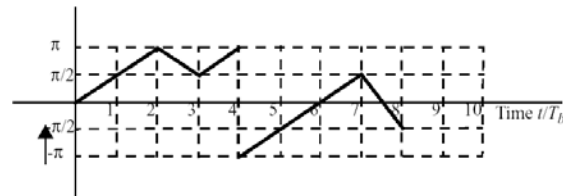


Figure 1