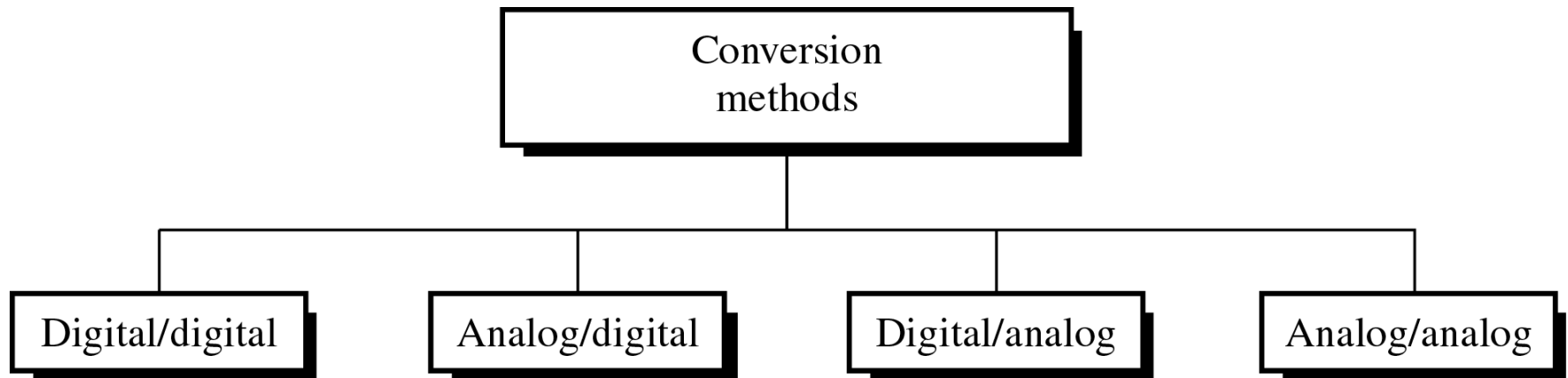


Line Encoding Schemes

Different Conversion Schemes



Digital to Digital Encoding

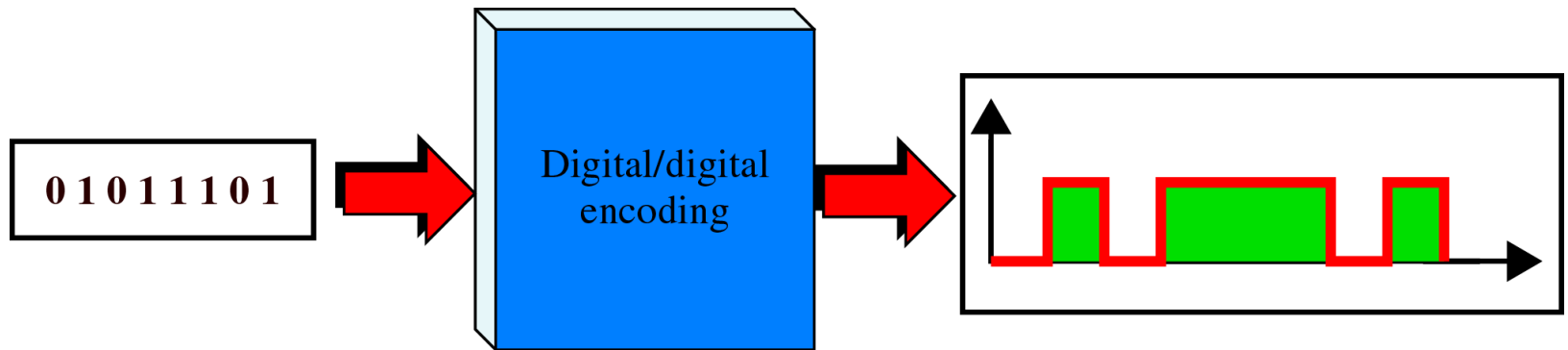


Figure 5-3

Types of Digital to Digital Encoding

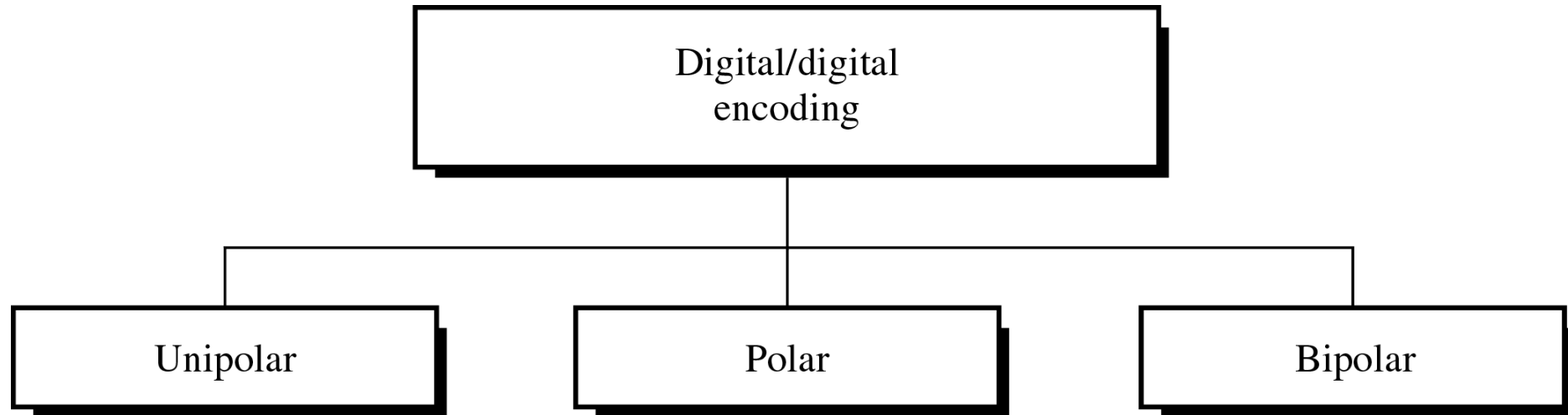


Figure 5-4

Unipolar Encoding

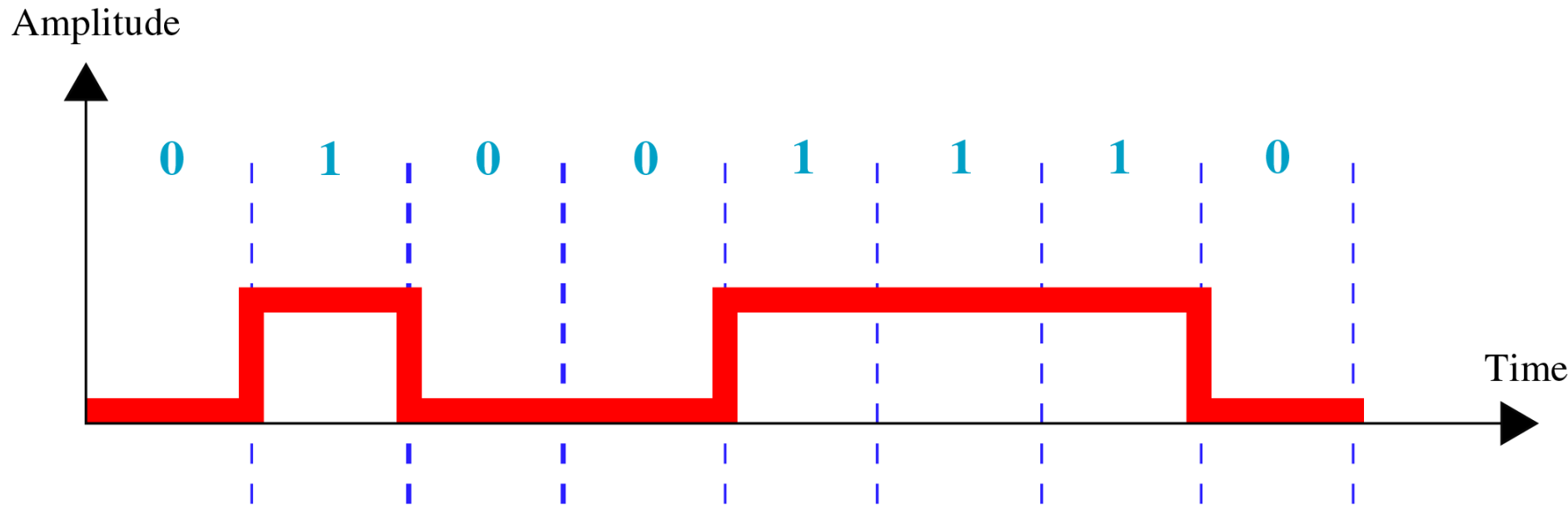


Figure 5-5

Types of Polar Encoding

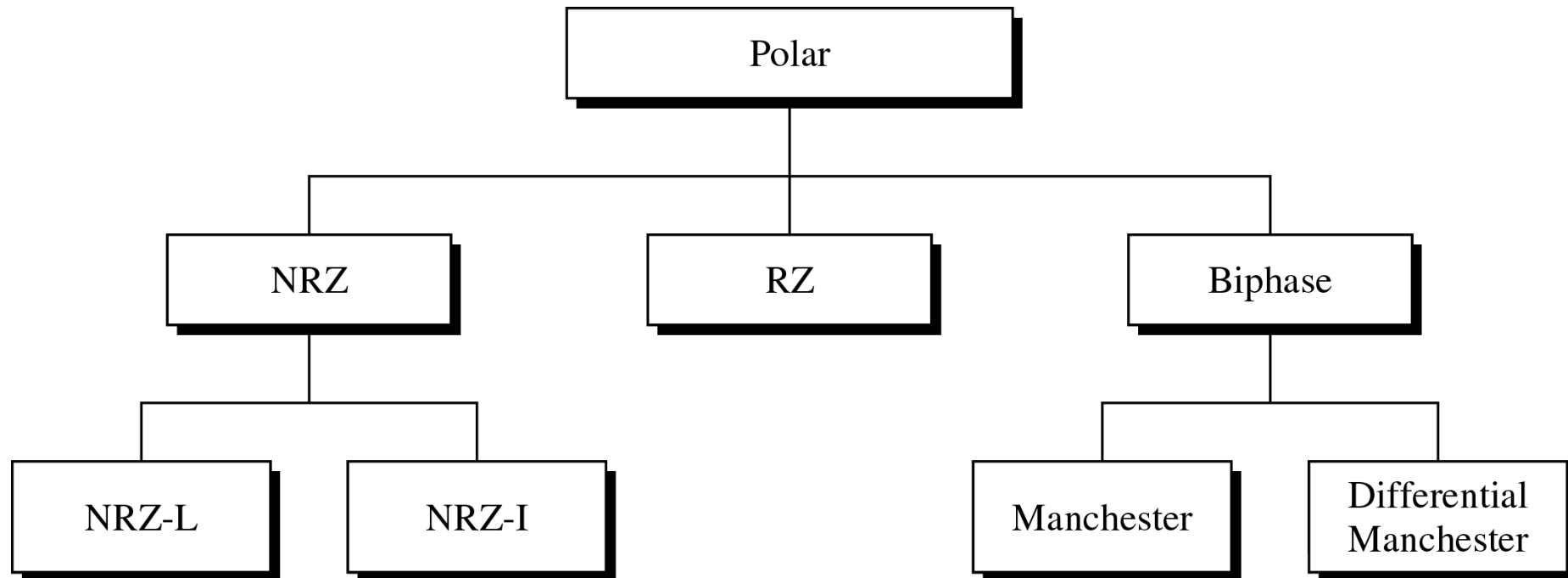


Figure 5-6

NRZ-L and NRZ-I Encoding

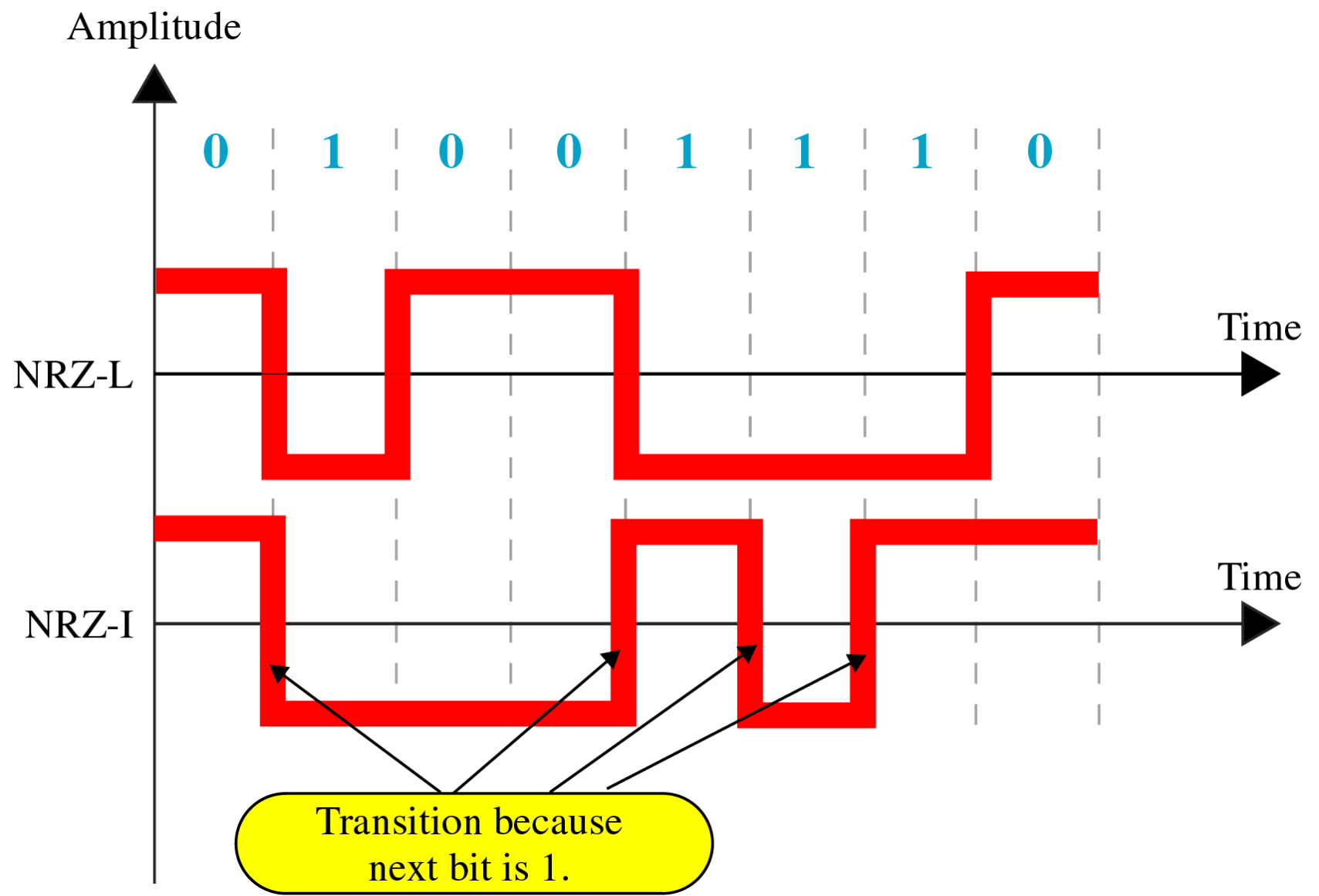


Figure 5-7

RZ Encoding

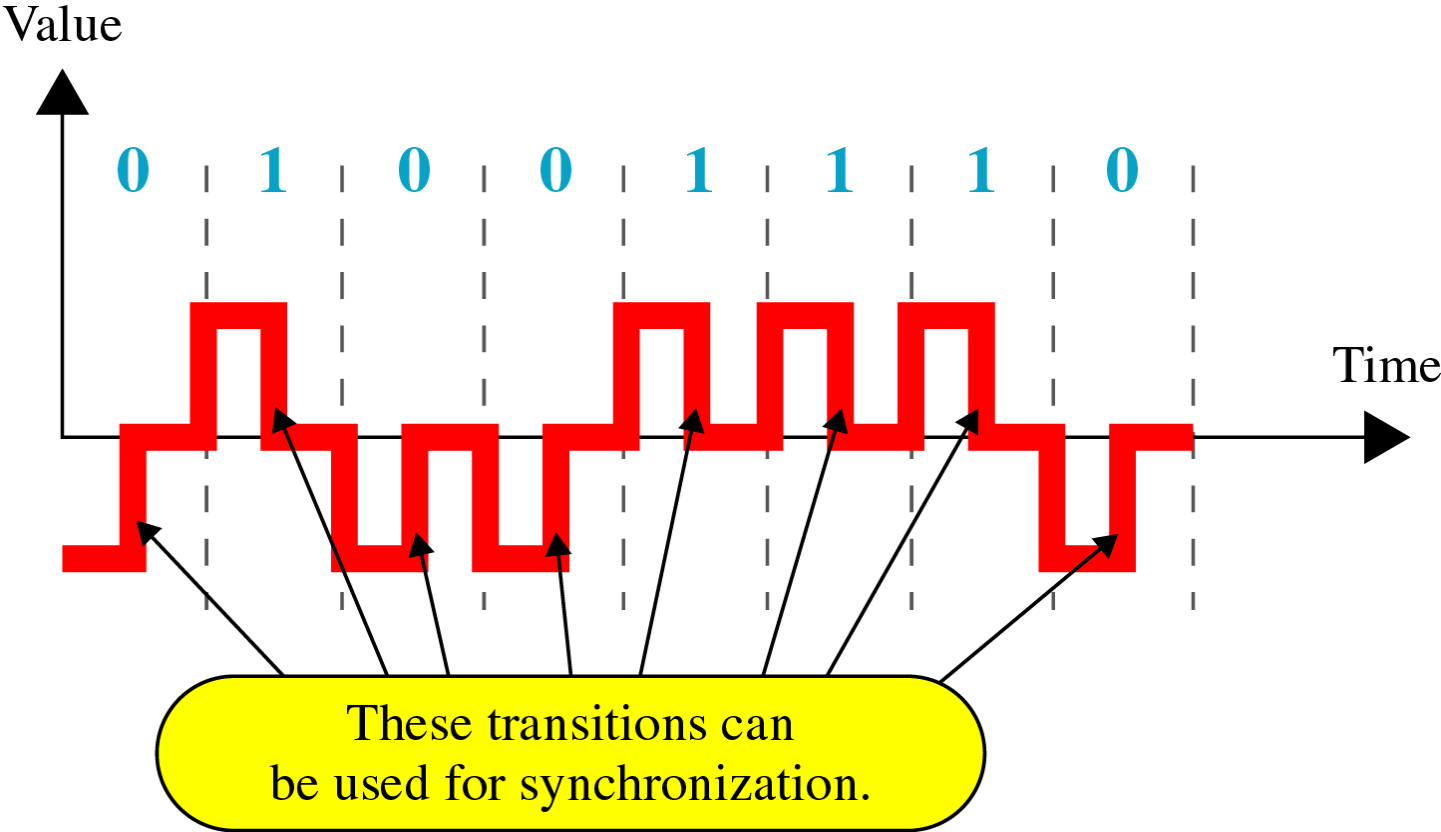


Figure 5-8 **Manchester and Diff. Manchester Encoding**

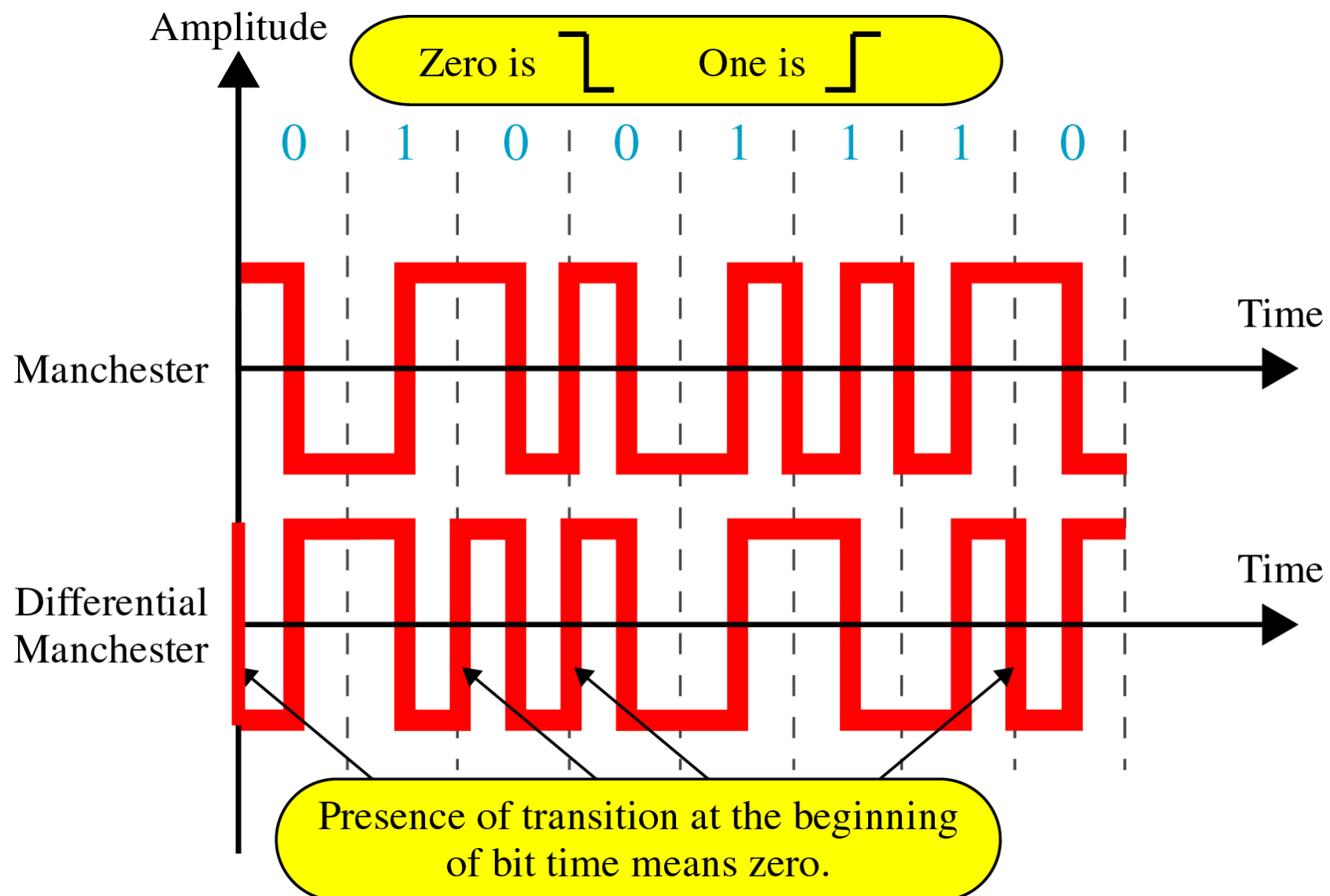


Figure 5-9

Types of Bipolar Encoding

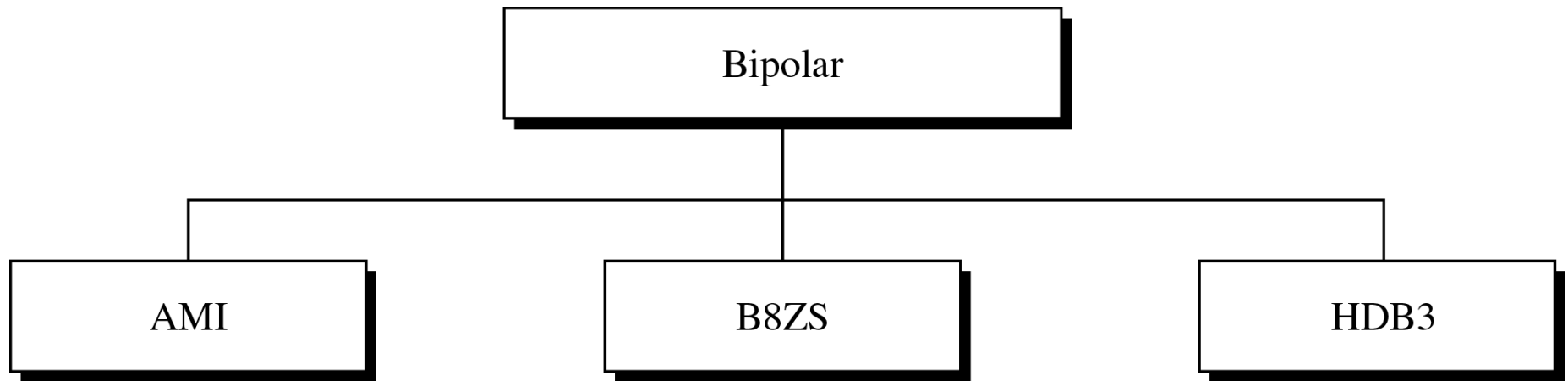


Figure 5-10

Bipolar AMI Encoding

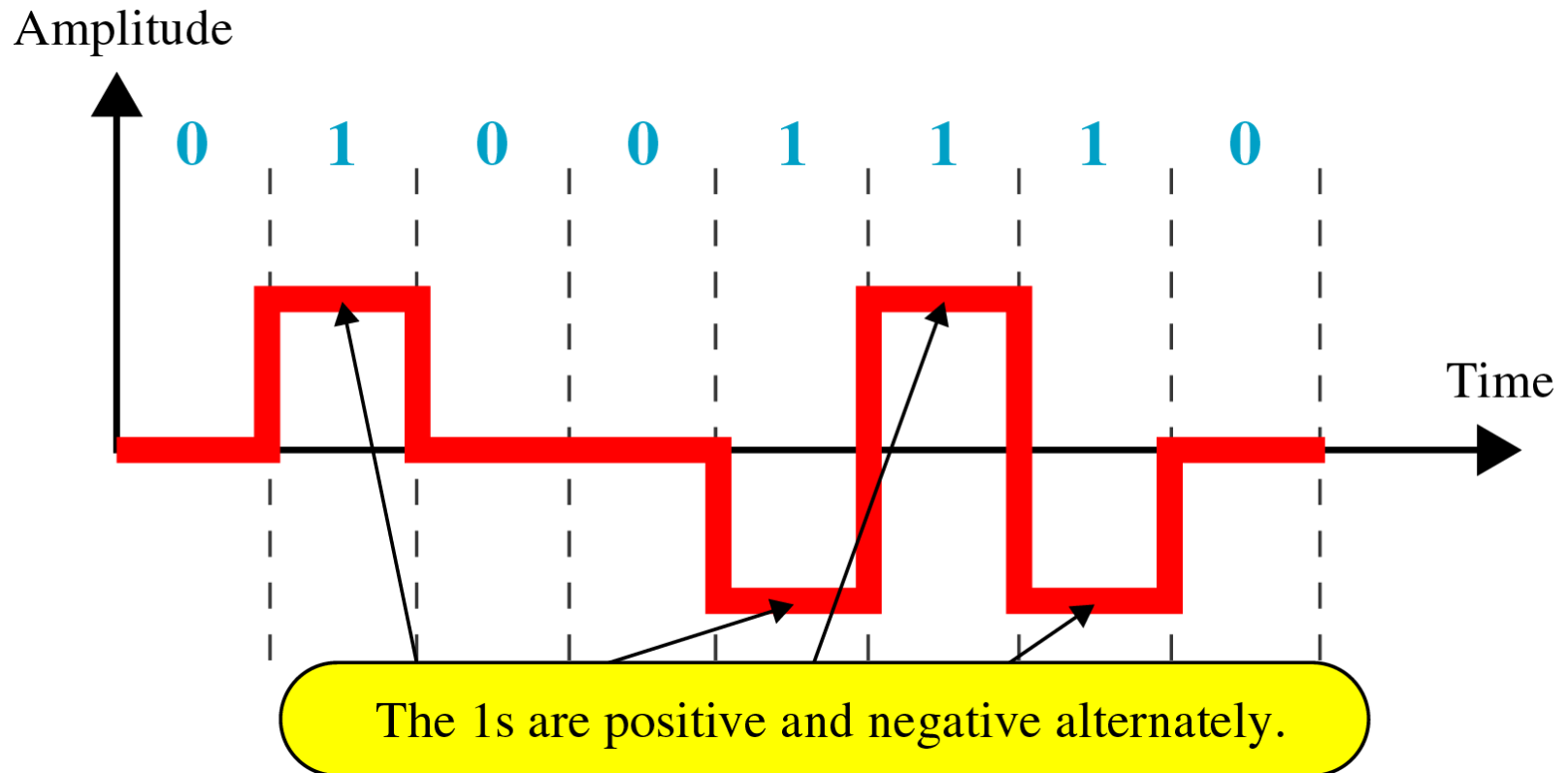


Figure 5-11

B8ZS Encoding

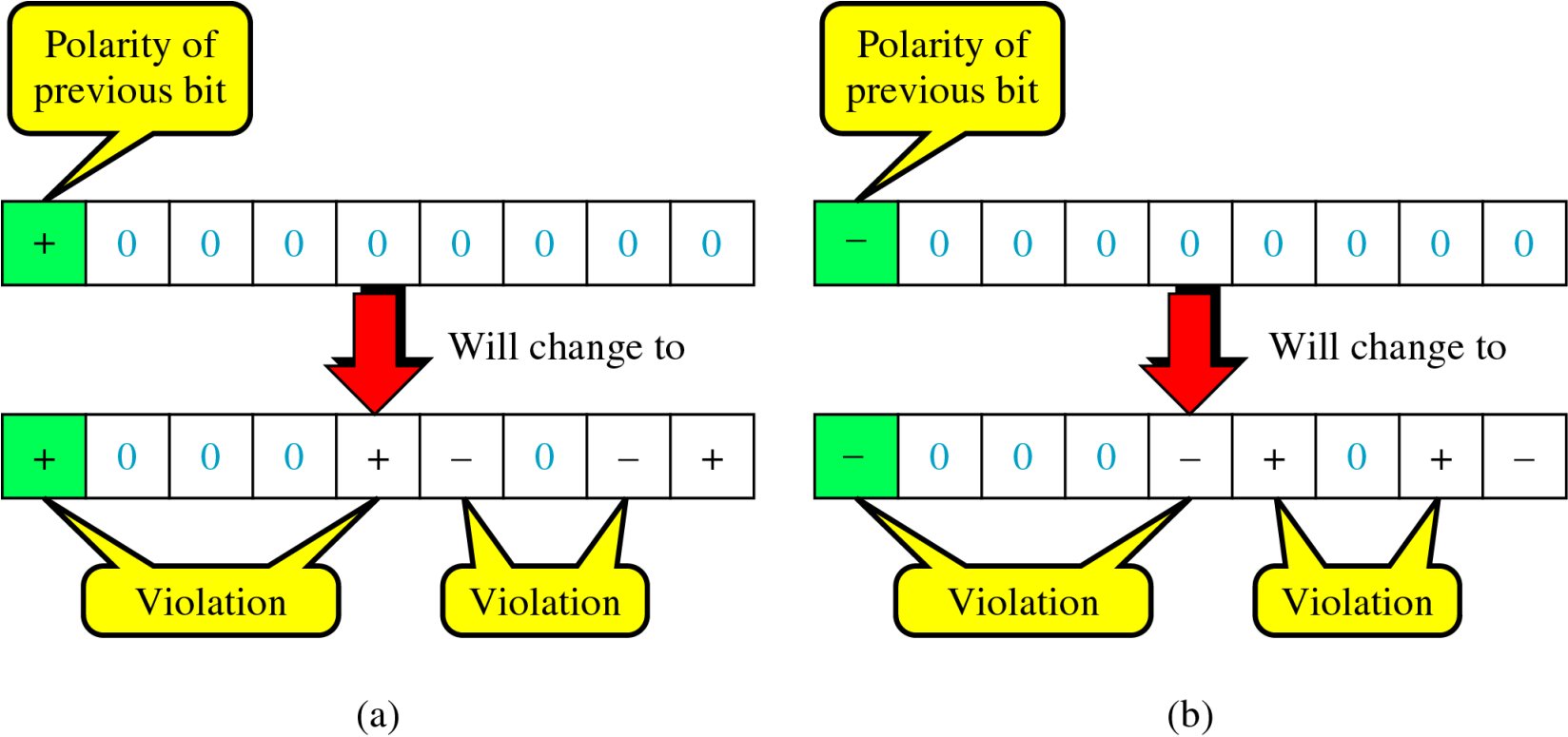
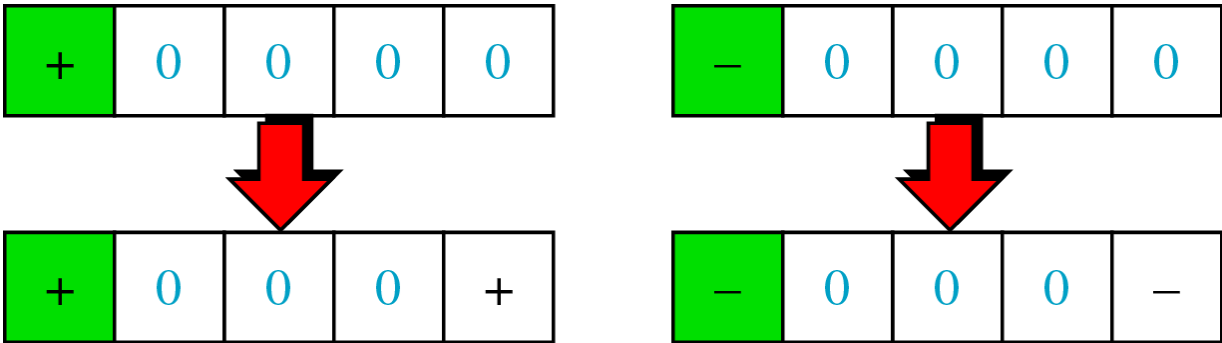
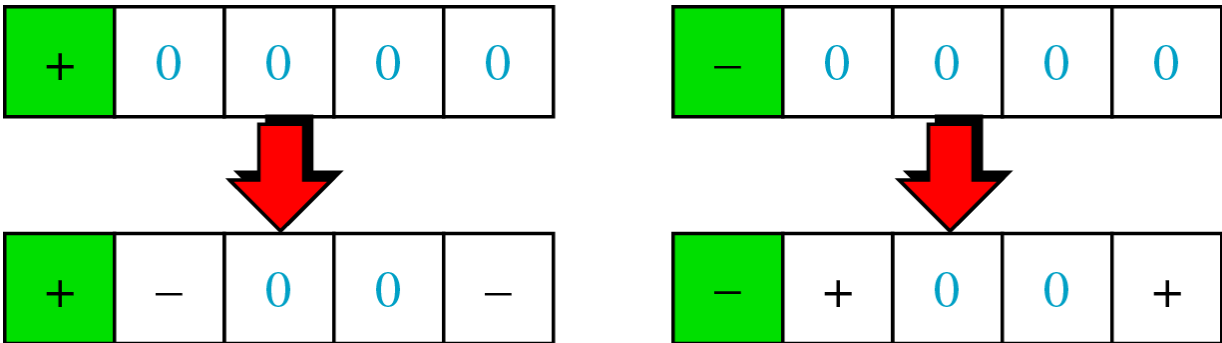


Figure 5-12

HDB3 Encoding



(a) If the number of 1s since the last substitution is odd



(b) If the number of 1s since the last substitution is even

Figure 5-13

Solution to Example 5.1

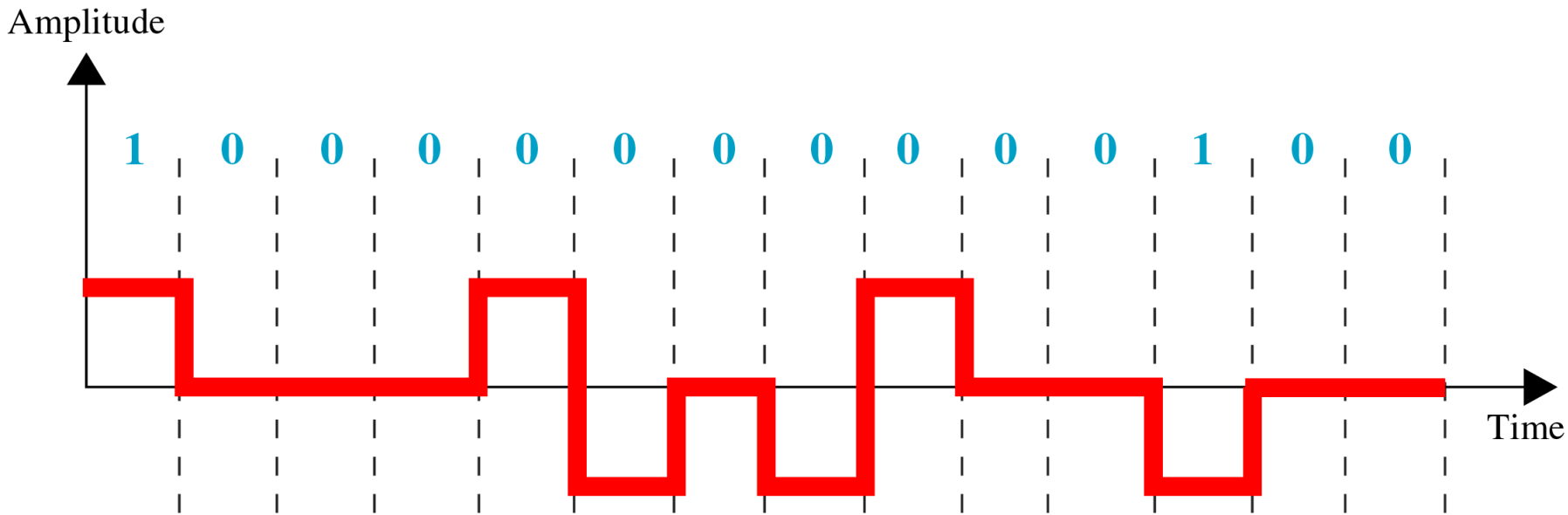


Figure 5-14

Solution to Example 5.2

