**Problem Domain:**

 A combinational circuit is used to control a seven-segment display of decimal digits, as shown in Figure 20.36. The circuit has four inputs, which provide the four-bit code used in binary representation. The seven outputs define which segments will be activated to display a given decimal digit.
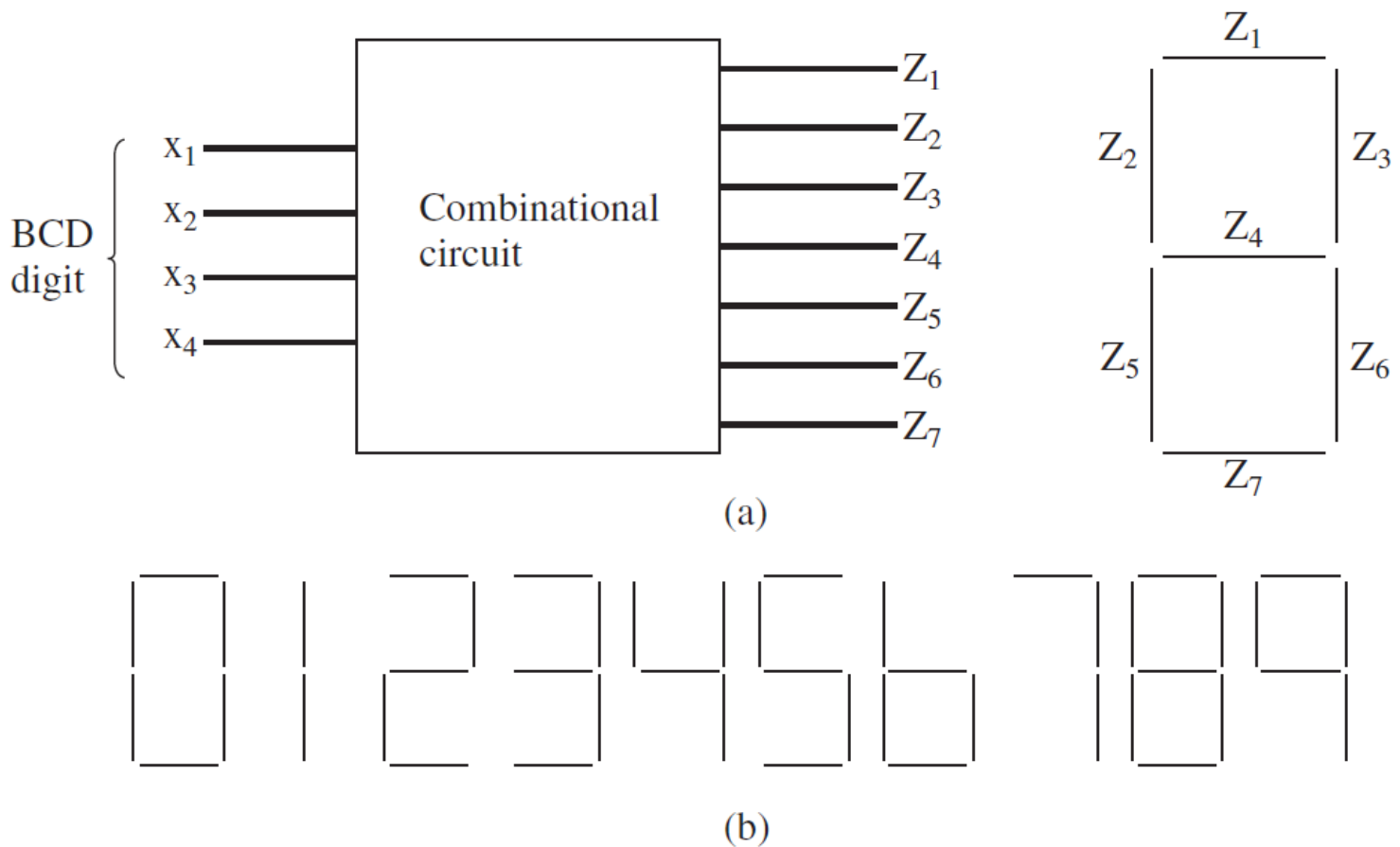


(a)



(b)

Figure 20.36   Seven-Segment LED Display Example

We have provided the template for the 'TRUTH TABLE' (LAB7-2-table) that simulates the combinatorial circuit described above.

TO DO: Complete the provided LAB7-2-table doc:
1) the TRUTH TABLE and
2) Express Z1 to Z7 in SOP form.

**DELIVERABLES:**
Upload the completed work.