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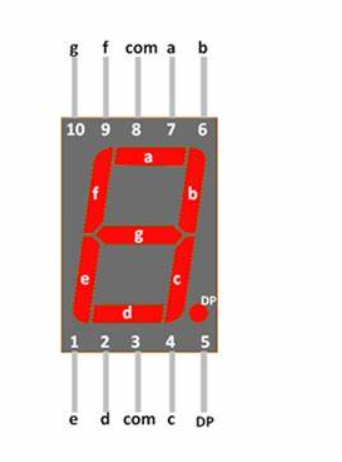
# EXPERIMENT NO. 1

#### AIM: Implement a circuit in logisim to display given decimal number in binary on to seven segment display.

**TASK: i. display 0 to 9 on a seven segment display with binary number as input**

**ii. display 0 to 99 using two seven segment displays with binary number as input**

**PIN DIAGRAM OF SEVEN SEGMENT DISPLAY:**

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**TABLES OF CALCULATIONS:**

1. Table for 0 to 9 on seven segment display

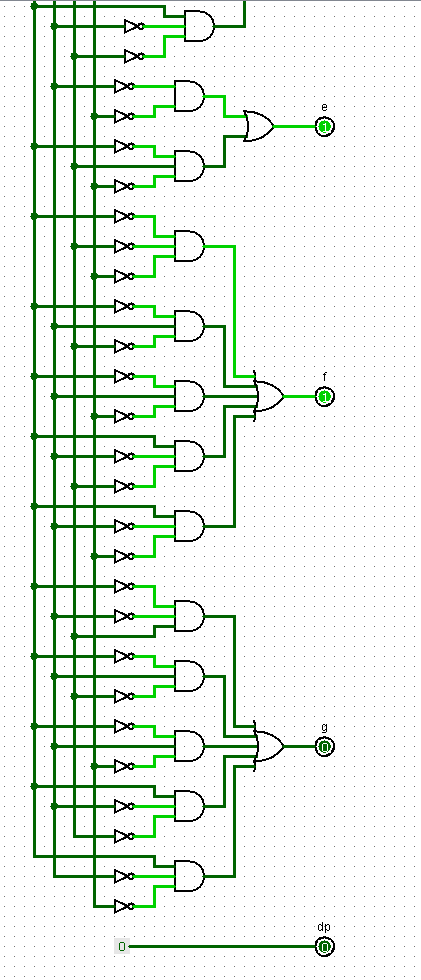
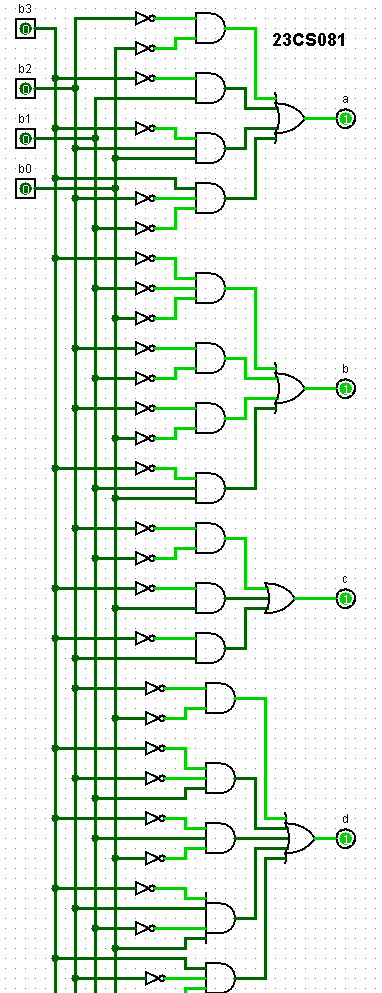
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1. Table for 0 to 99 on two seven segment display

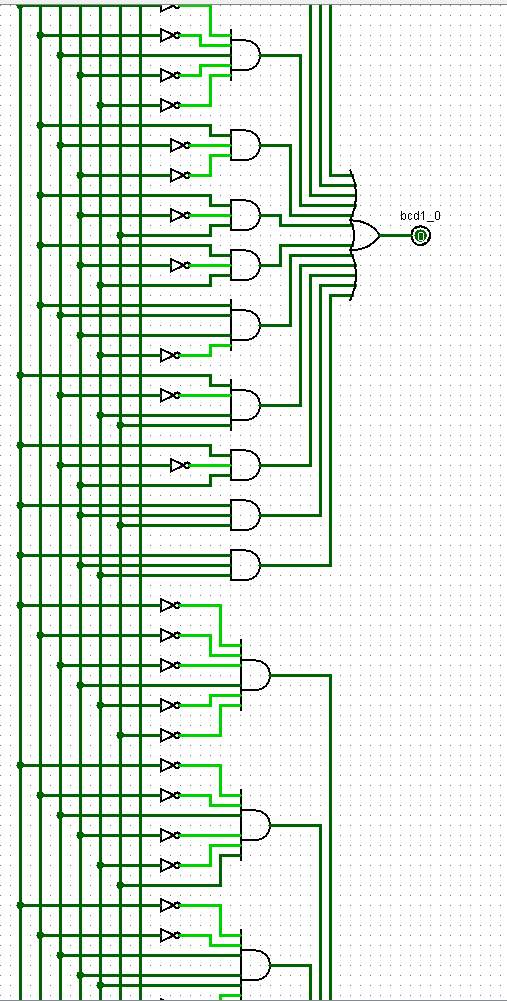
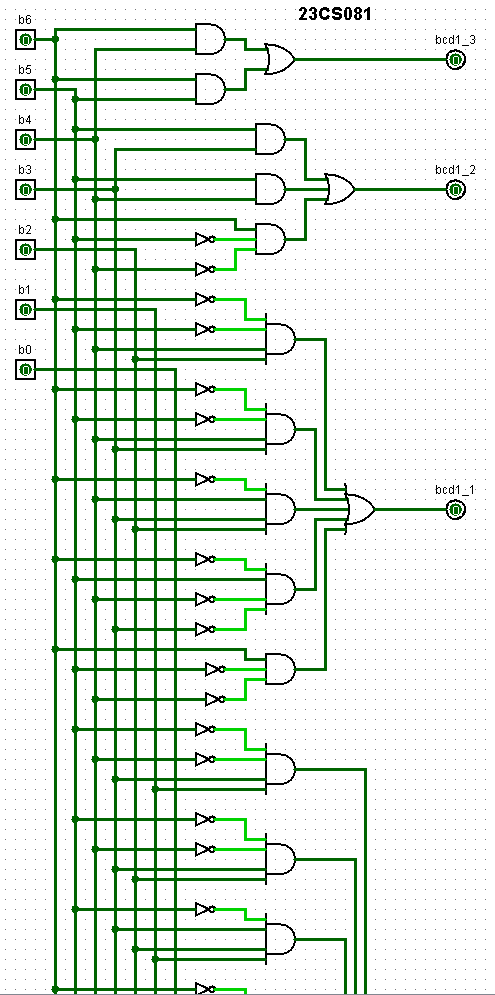
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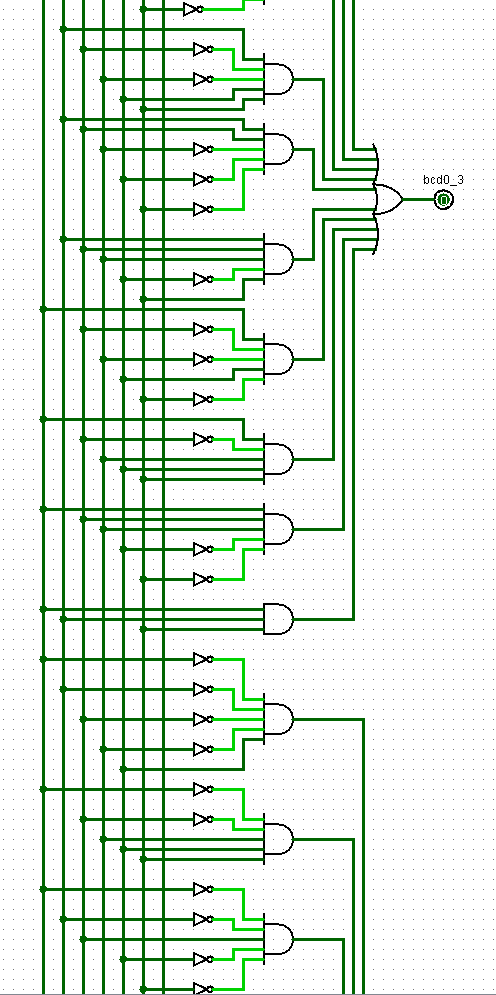
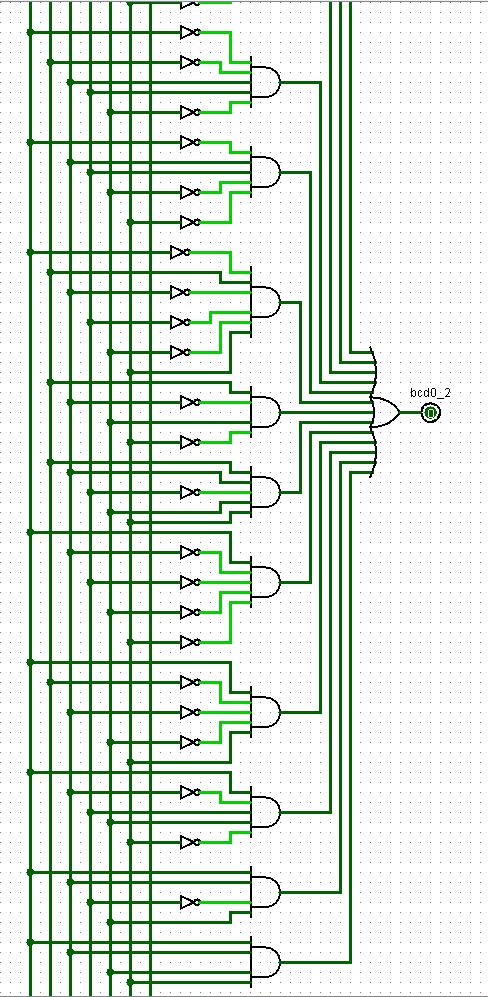
**CIRCUITS:**

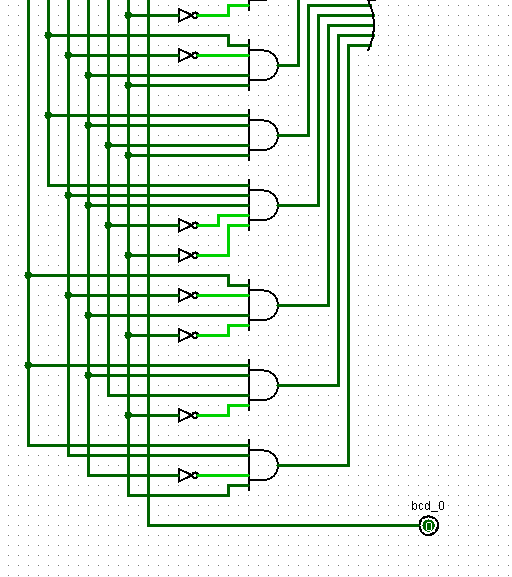
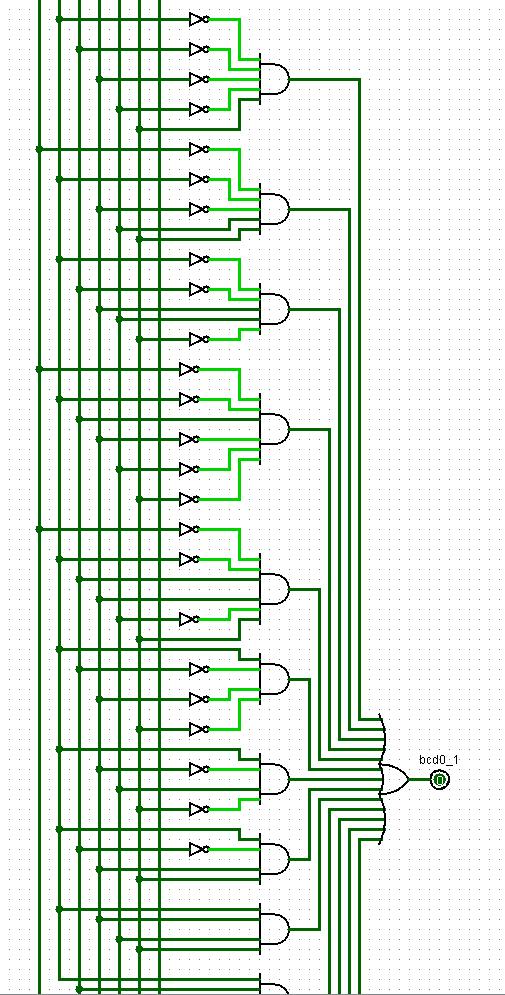
* **0 to 9 in seven segment display**

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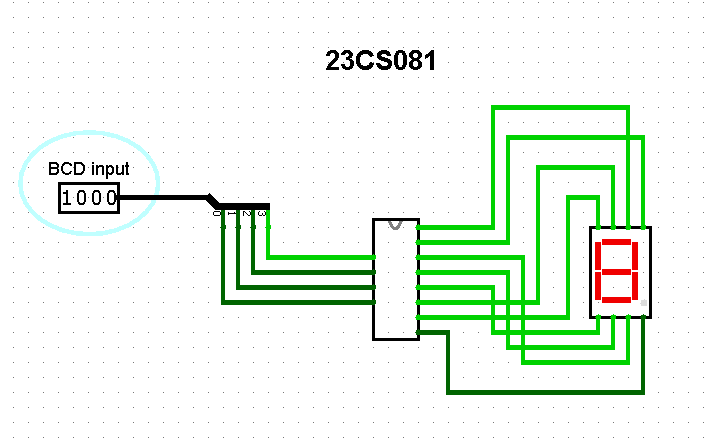
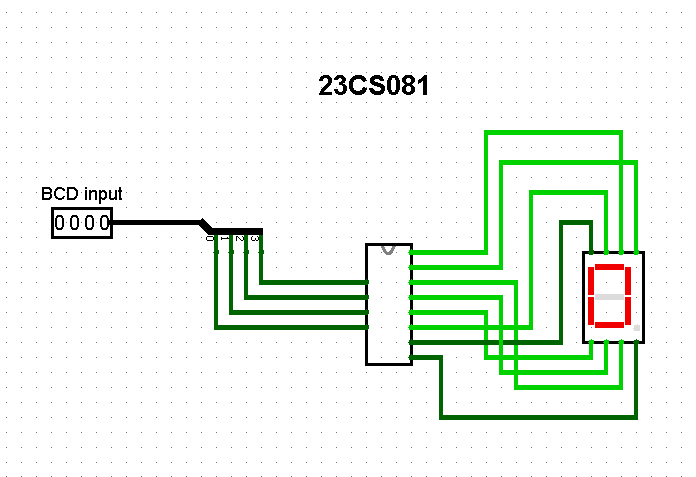
* **0 to 99 in seven segment display**

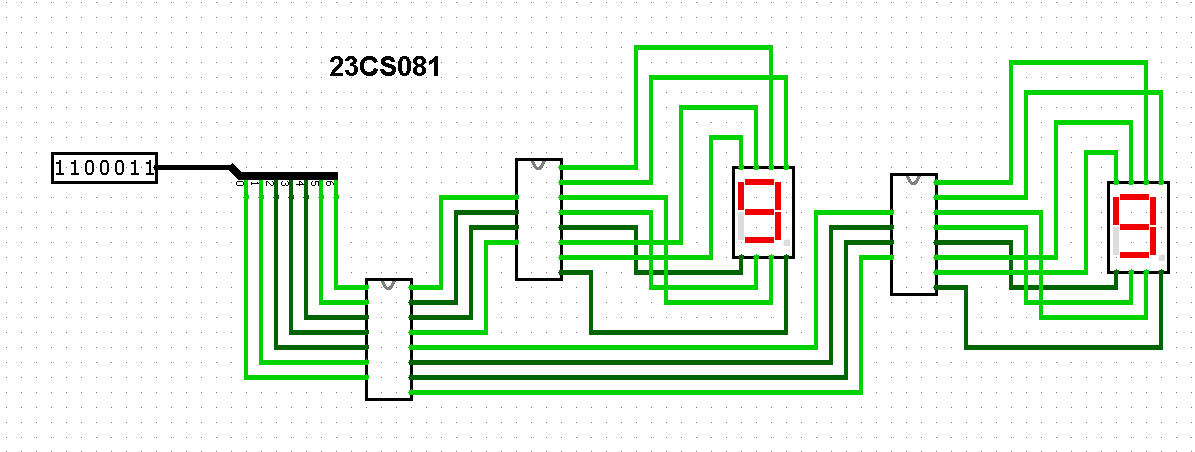
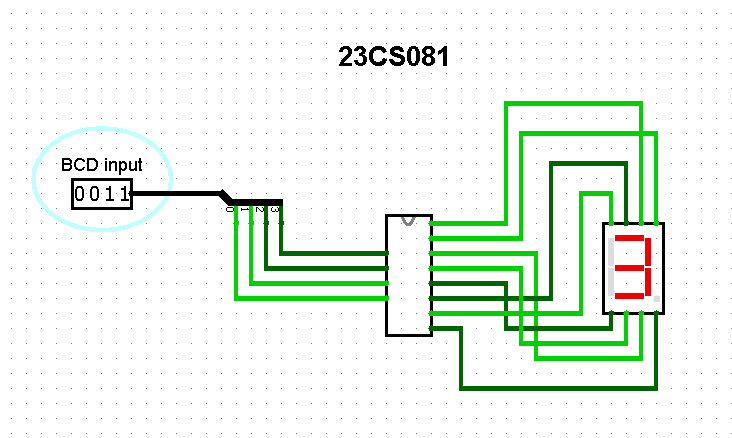
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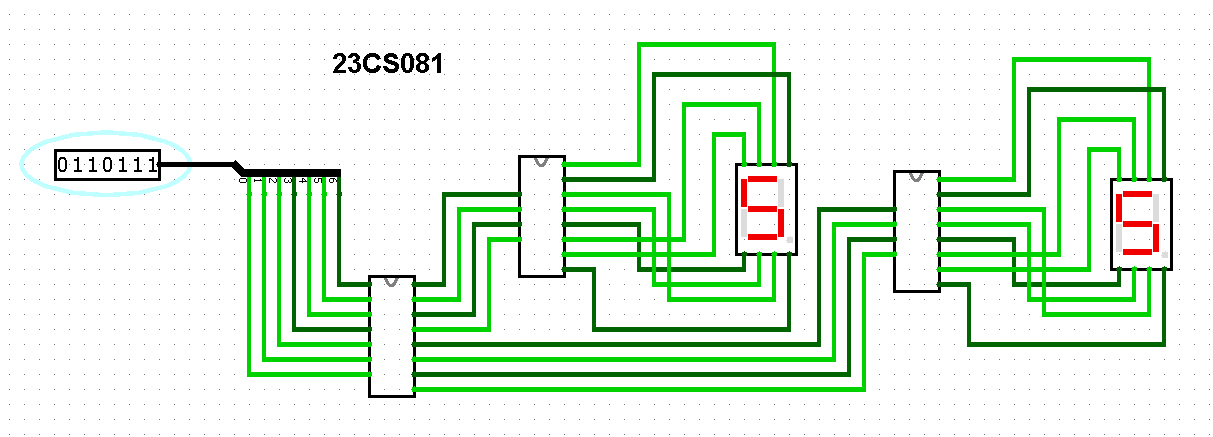
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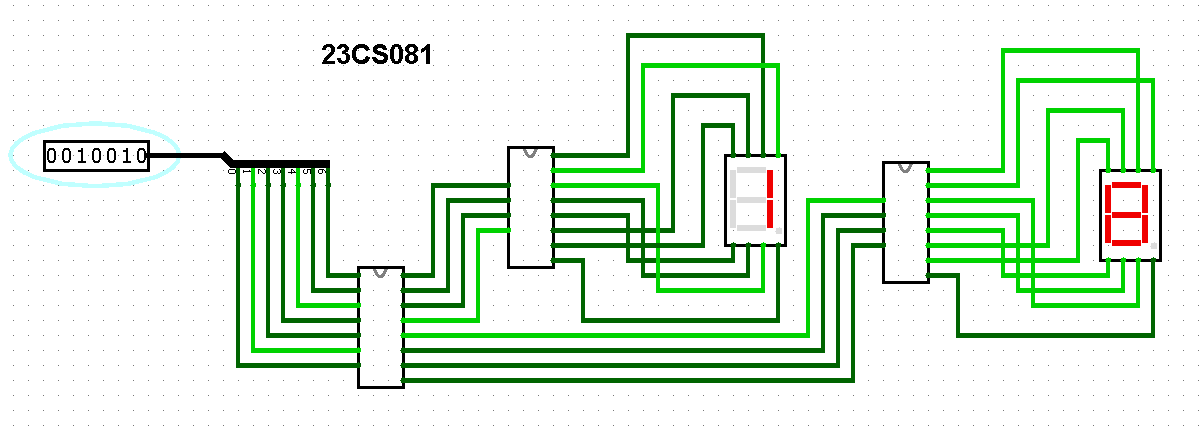
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**OUTPUTS:**

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**CONCLUSION:**