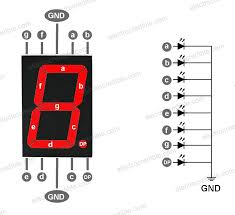
Date:

# 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**

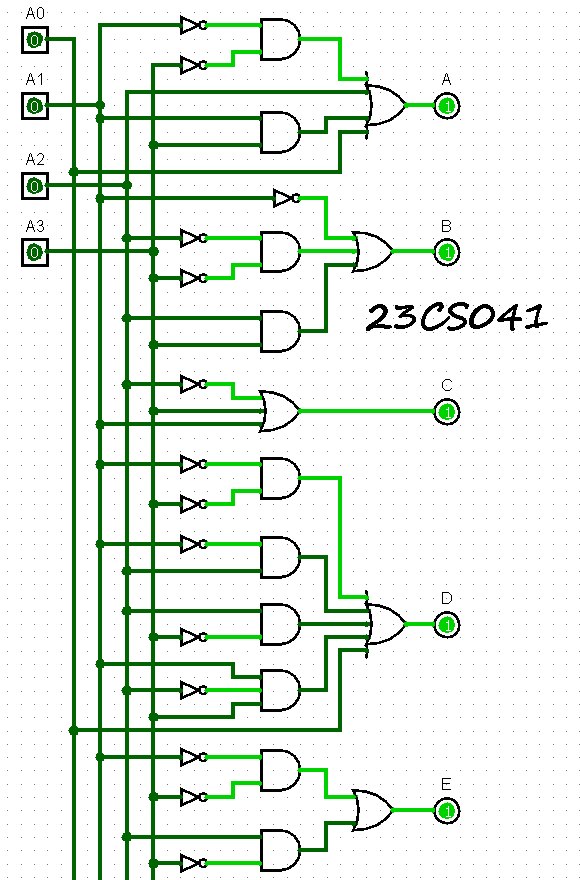
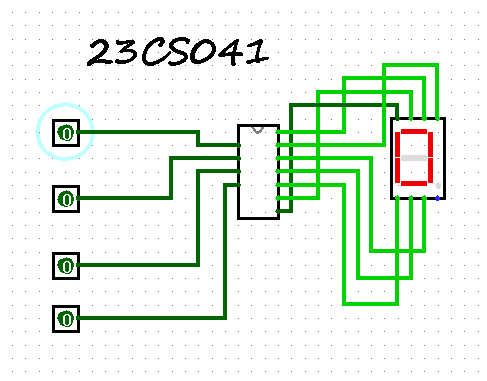
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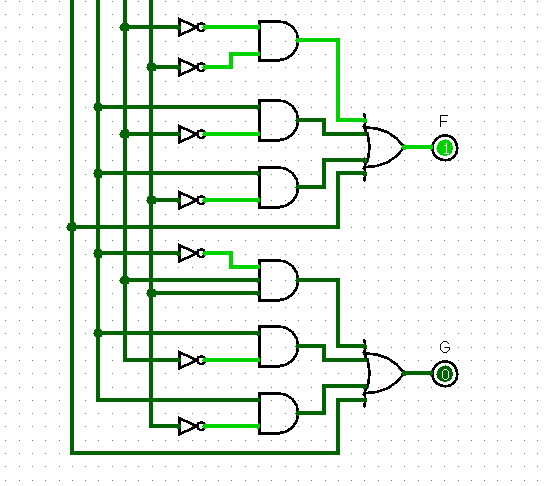
**TABLES OF CALCULATIONS:**

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| **b3** | **b2** | **b1** | **b0** | **a** | **b** | **c** | **d** | **e** | **f** | **g** | **dp** |
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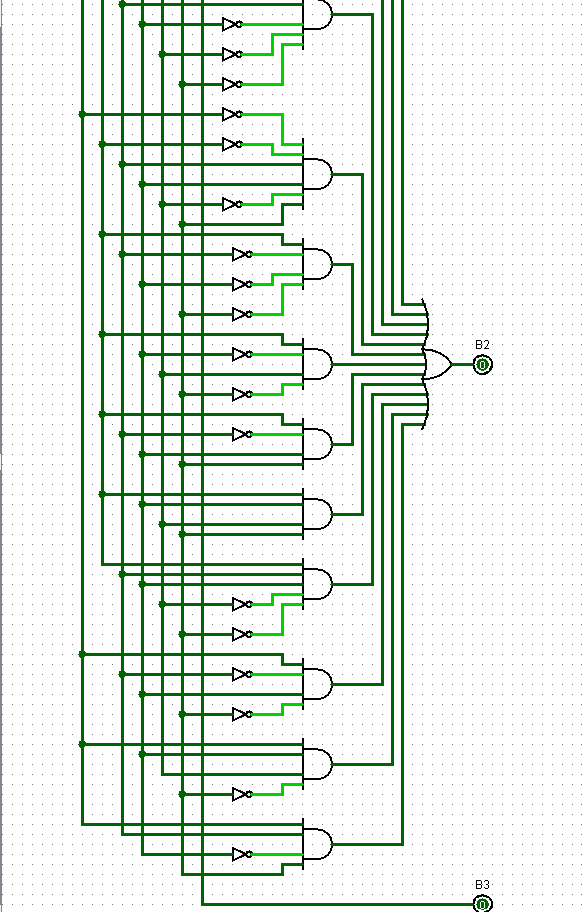
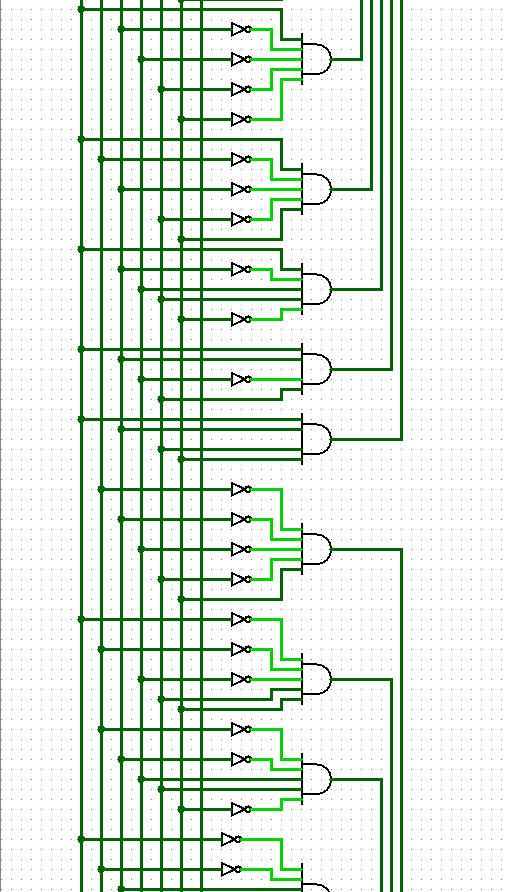
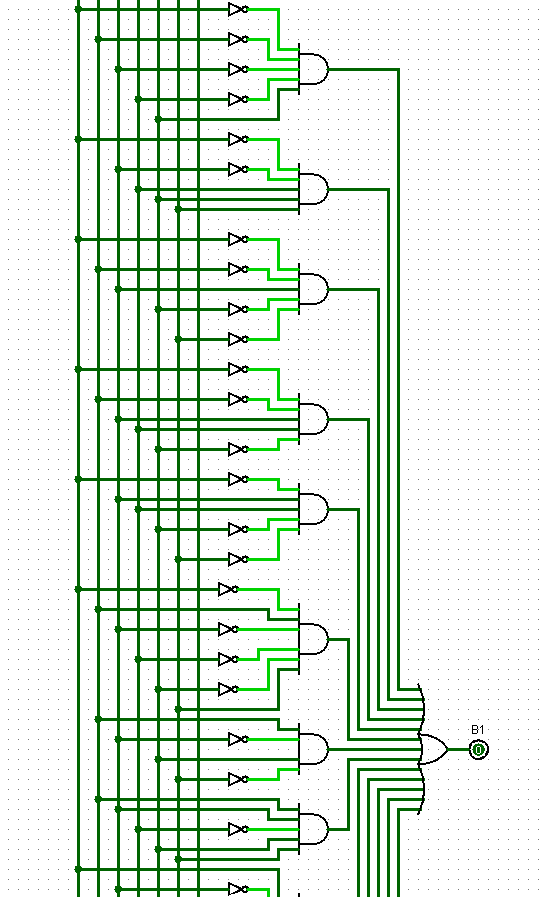
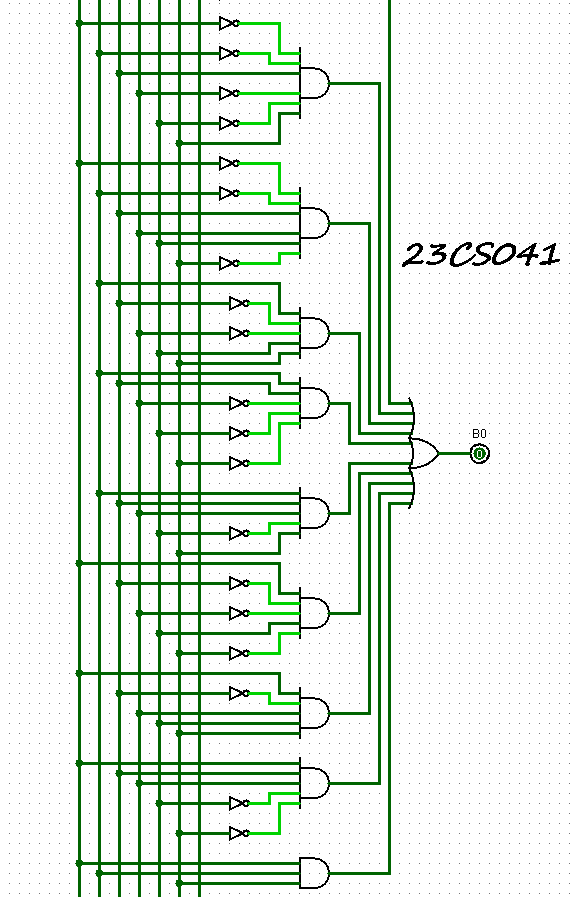
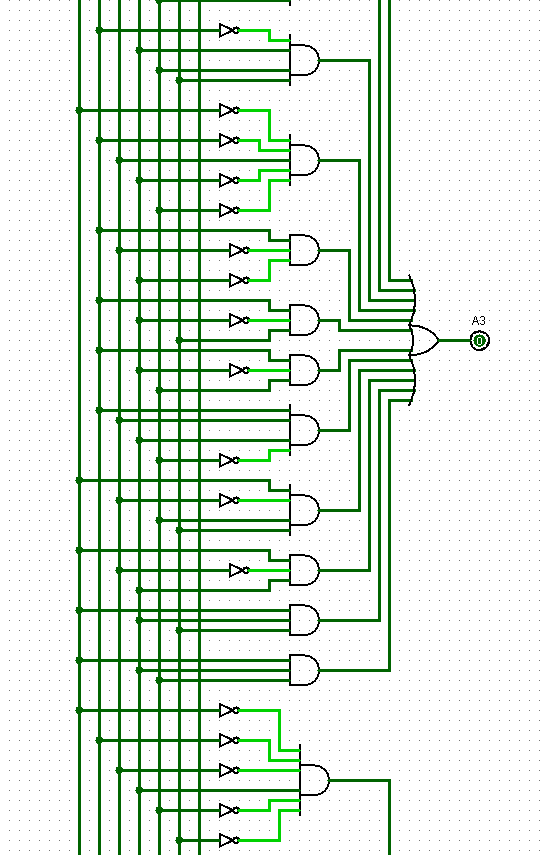
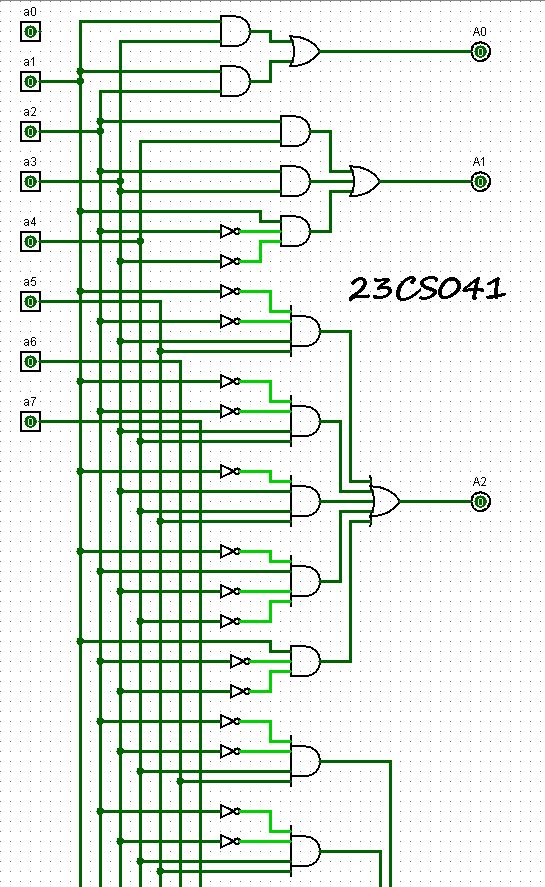
**CIRCUITS:**

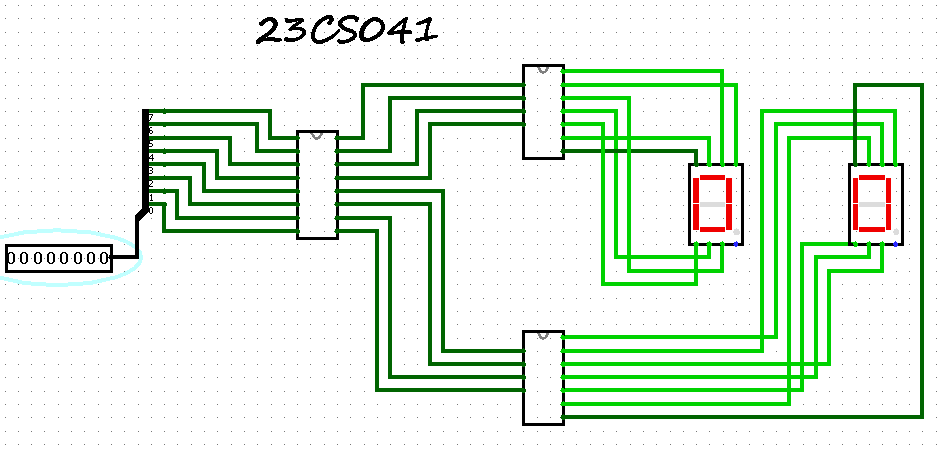
1. **0 to 9 :**

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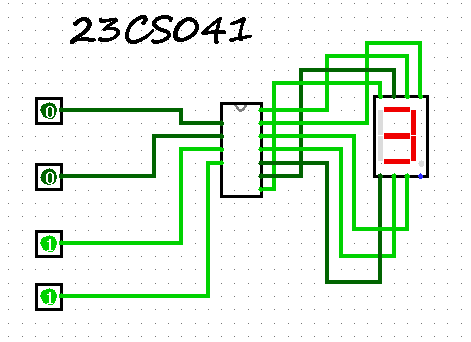
****

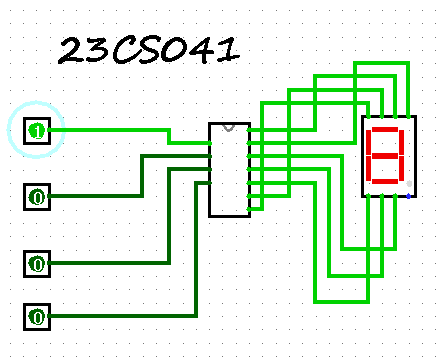
1. **0 to 99 :**

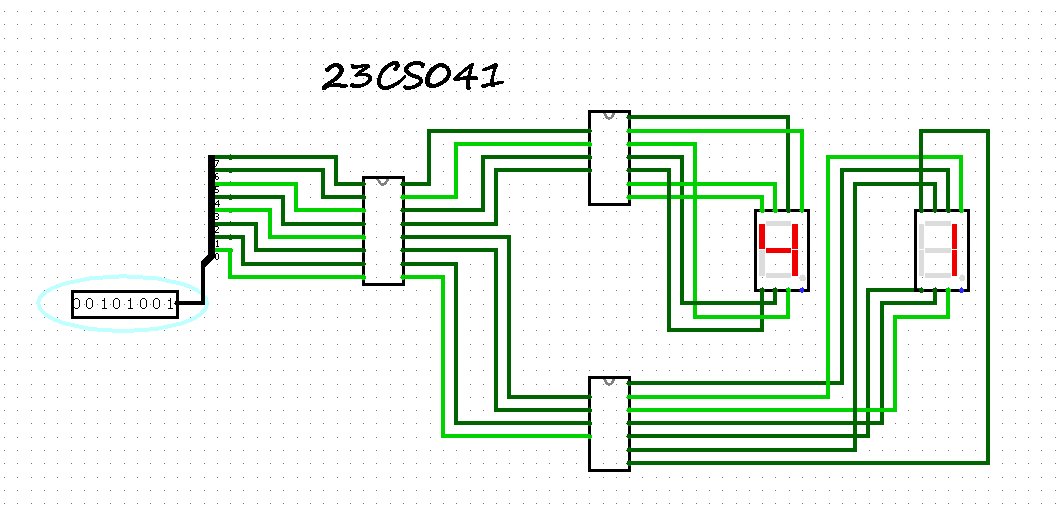
****

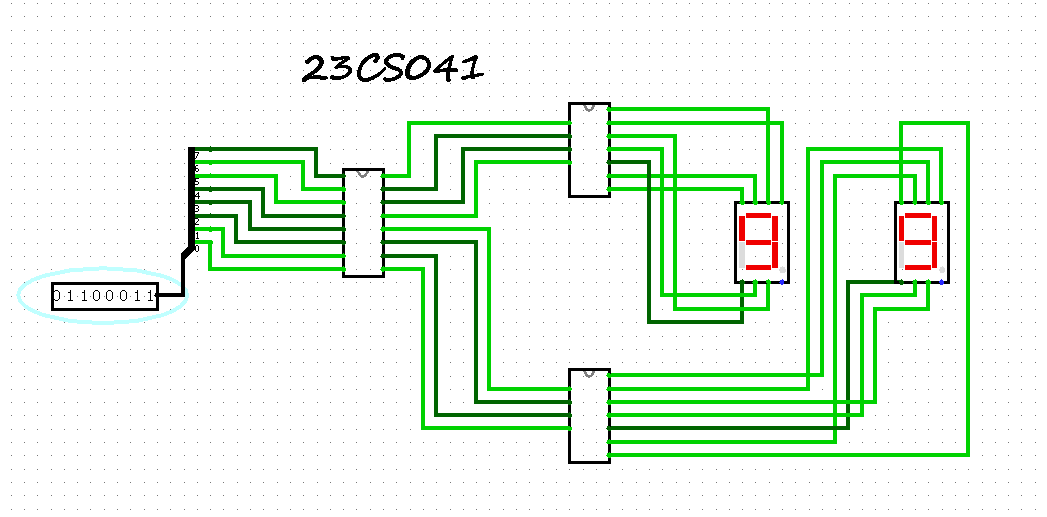
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**OUTPUTS:**

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**CONCLUSION:**

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