****

**SUBJECT: SECR1013 DIGITAL LOGIC**

**SESSION/SEM: 2020/2021-1**

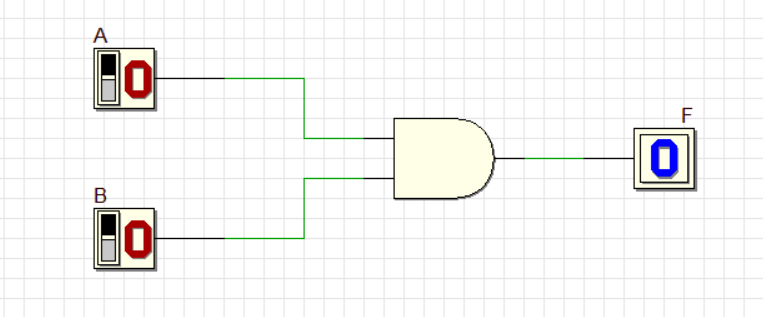
**LAB 1: COMBINATIONAL LOGIC**

**NAME: THAM CHUAN YEW**

**MATRIC NUMBER: A20EC0166**

**DATE: 28 NOVEMBER 2020**

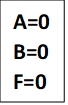
**PART 1**

****

**A=0**

**B=0**

**F=0**

**Diagram

Description automatically generated**

**A=0**

**B=1**

**F=0**

**Diagram

Description automatically generated**

**A=1**

**B=0**

**F=0**

**A close up of a whiteboard

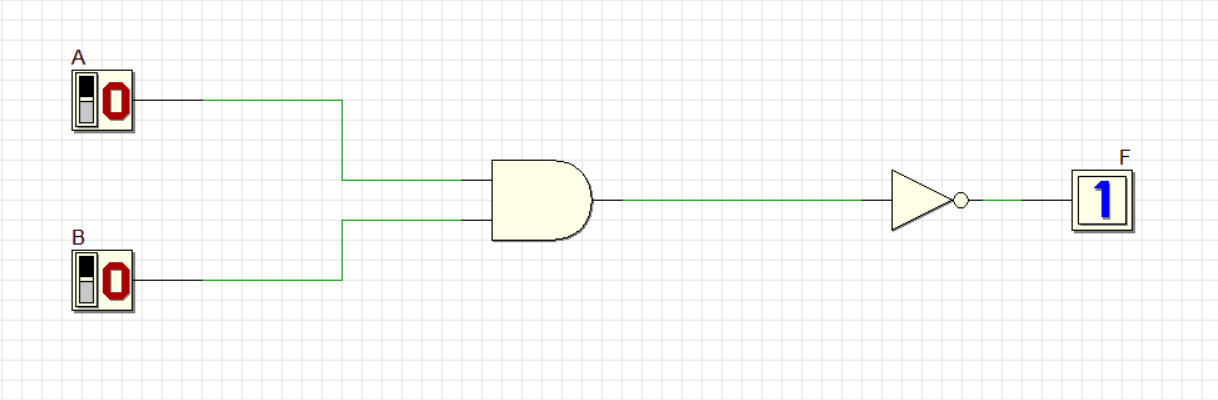
Description automatically generated**

**A=1**

**B=1**

**F=1**

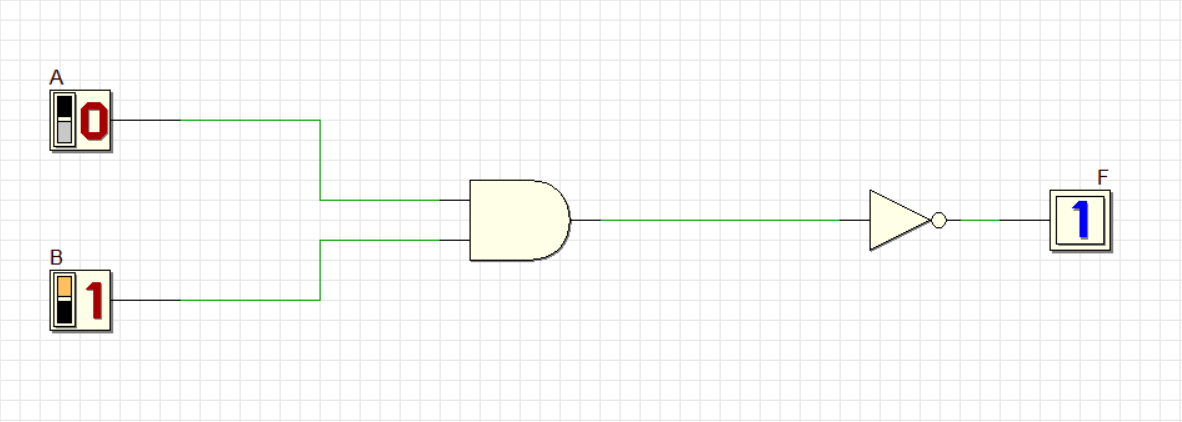
**PART 2**

****

**A=0**

**B=0**

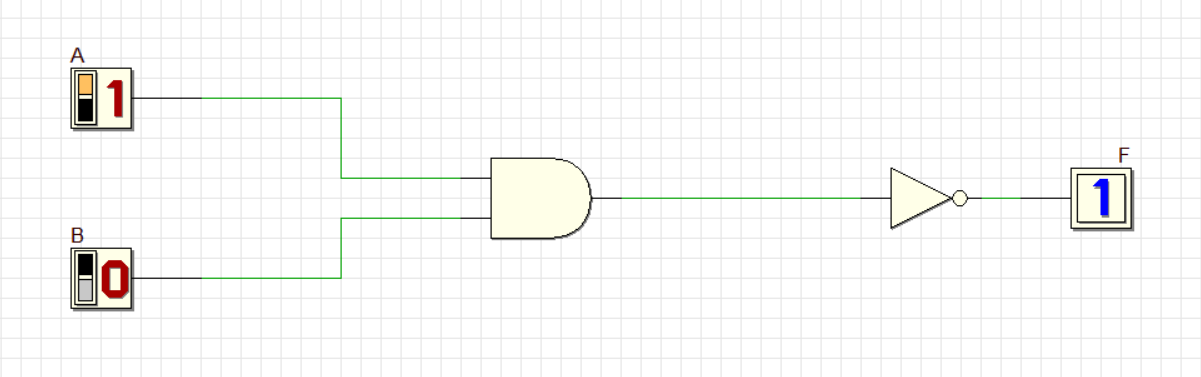
**F=1**

****

**A=0**

**B=1**

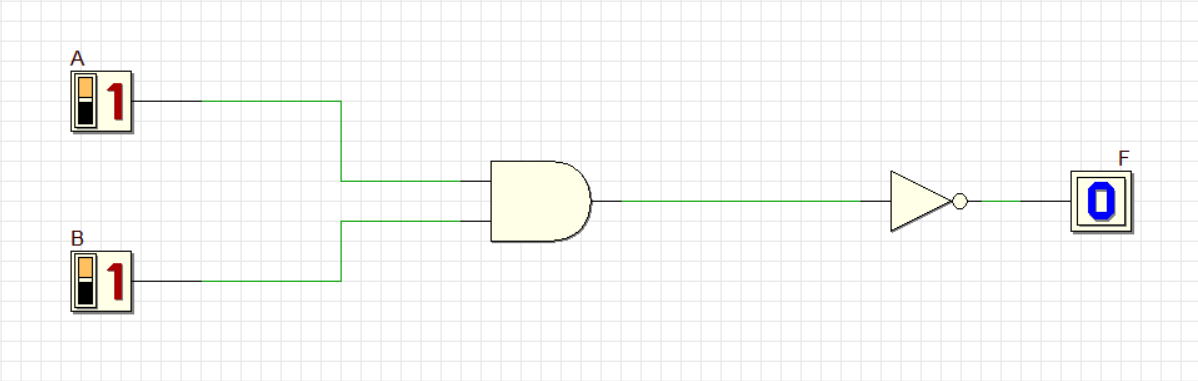
**F=1**

****

**A=1**

**B=0**

**F=1**

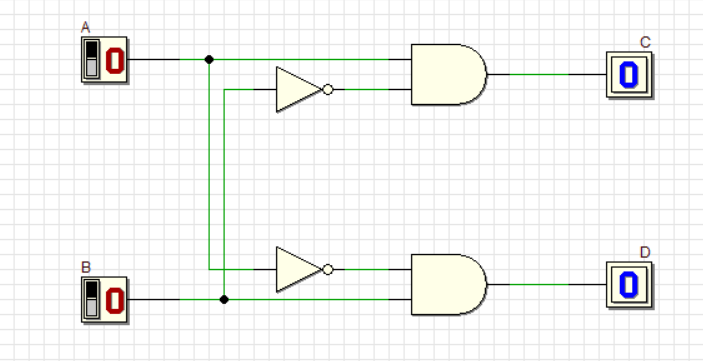
****

**A=1**

**B=1**

**F=0**

**PART 3**

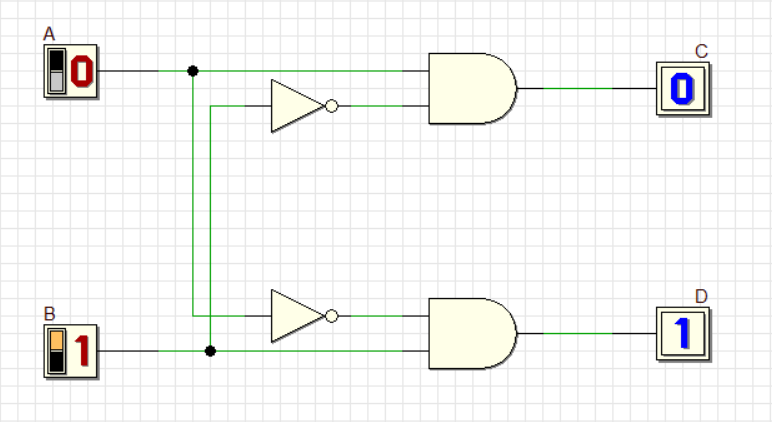
****

**A=0**

**B=0**

**C=0**

**D=0**

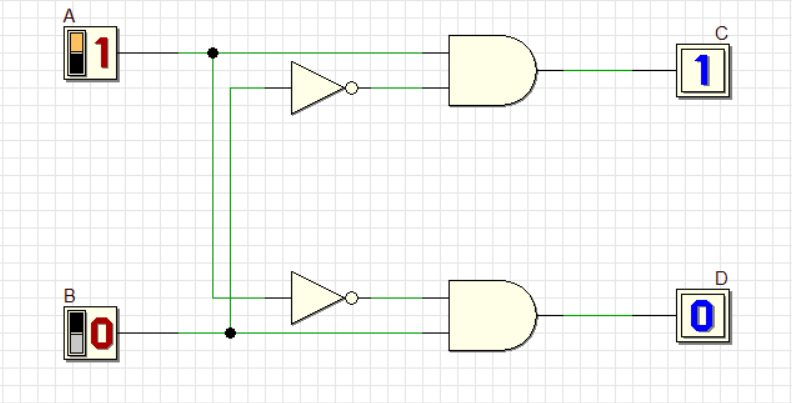
****

**A=0**

**B=1**

**C=0**

**D=1**

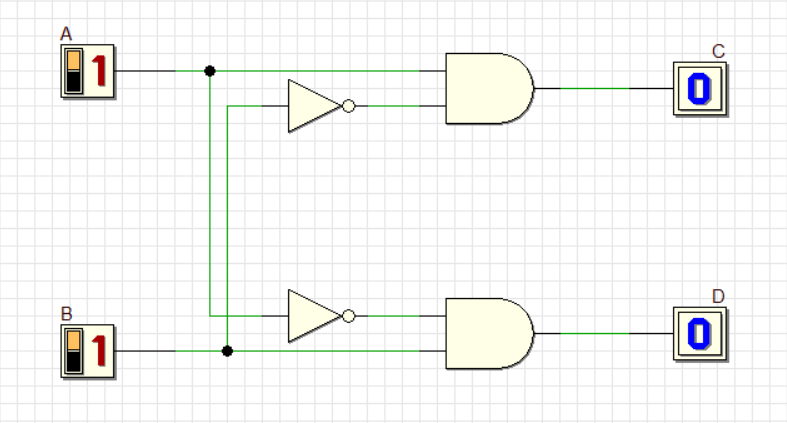
****

**A=1**

**B=0**

**C=1**

**D=0**

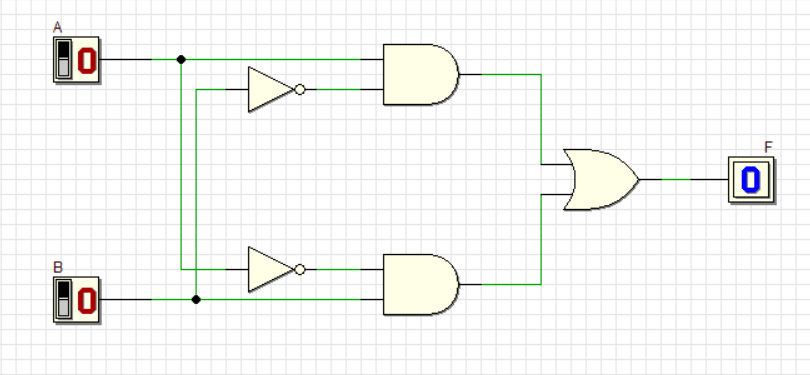
****

**A=1**

**B=1**

**C=0**

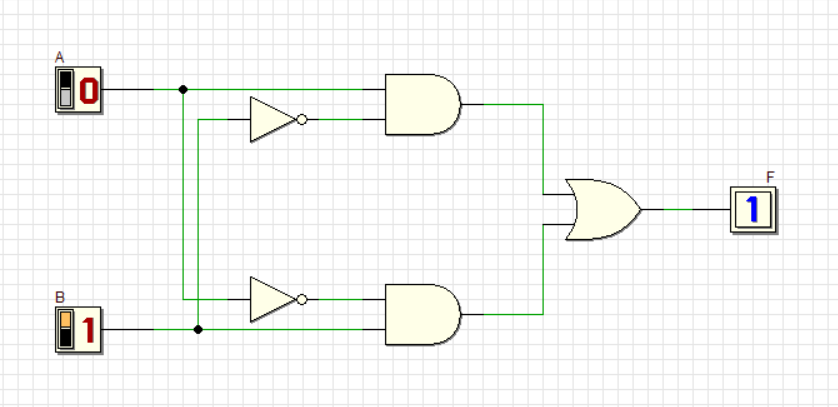
**D=0**

****

**A=0**

**B=0**

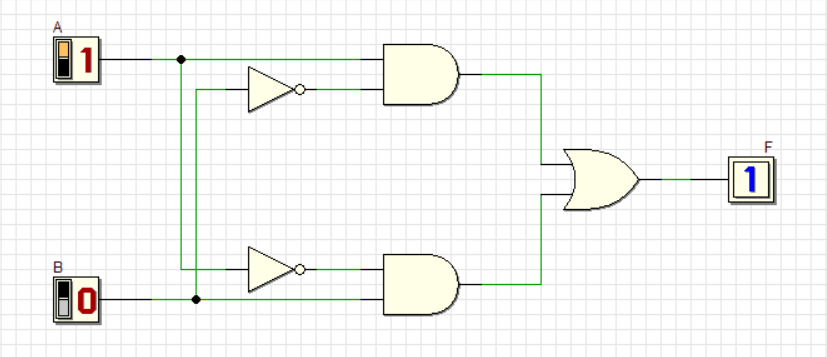
**F=0**

****

**A=0**

**B=1**

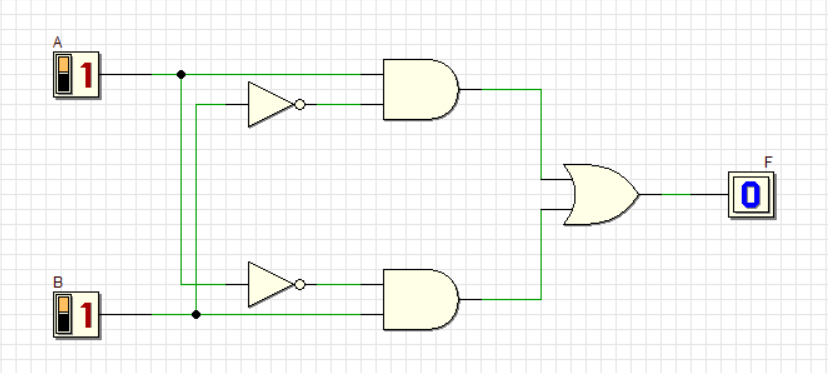
**F=1**

****

**A=1**

**B=0**

**F=1**

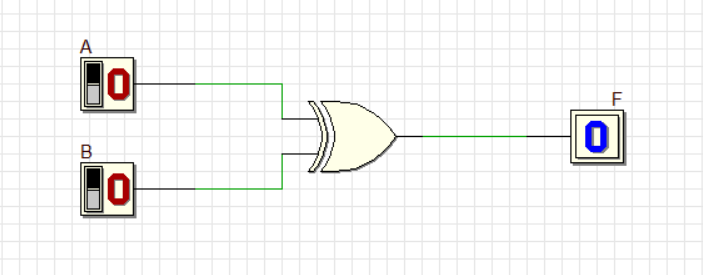
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**A=1**

**B=1**

**F=0**

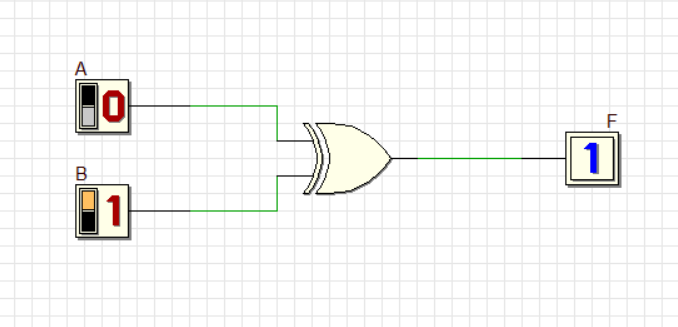
**XOR Gate**



**A=0**

**B=0**

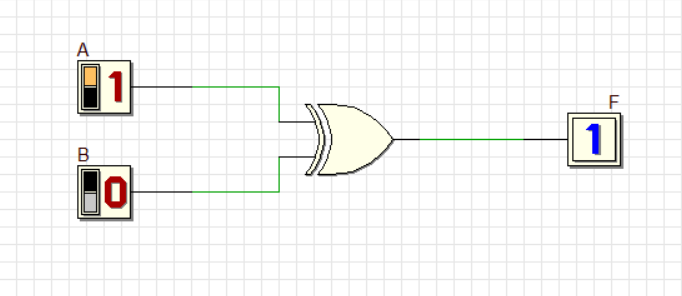
**F=0**



**A=0**

**B=1**

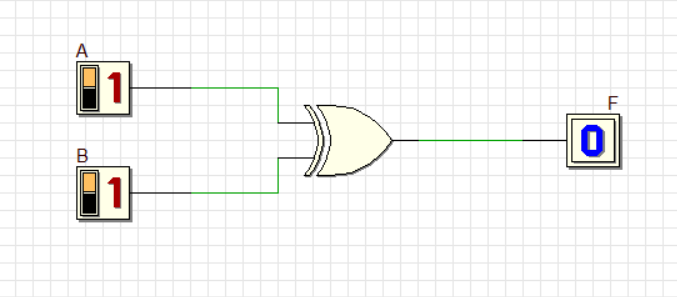
**F=1**



**A=1**

**B=0**

**F=1**

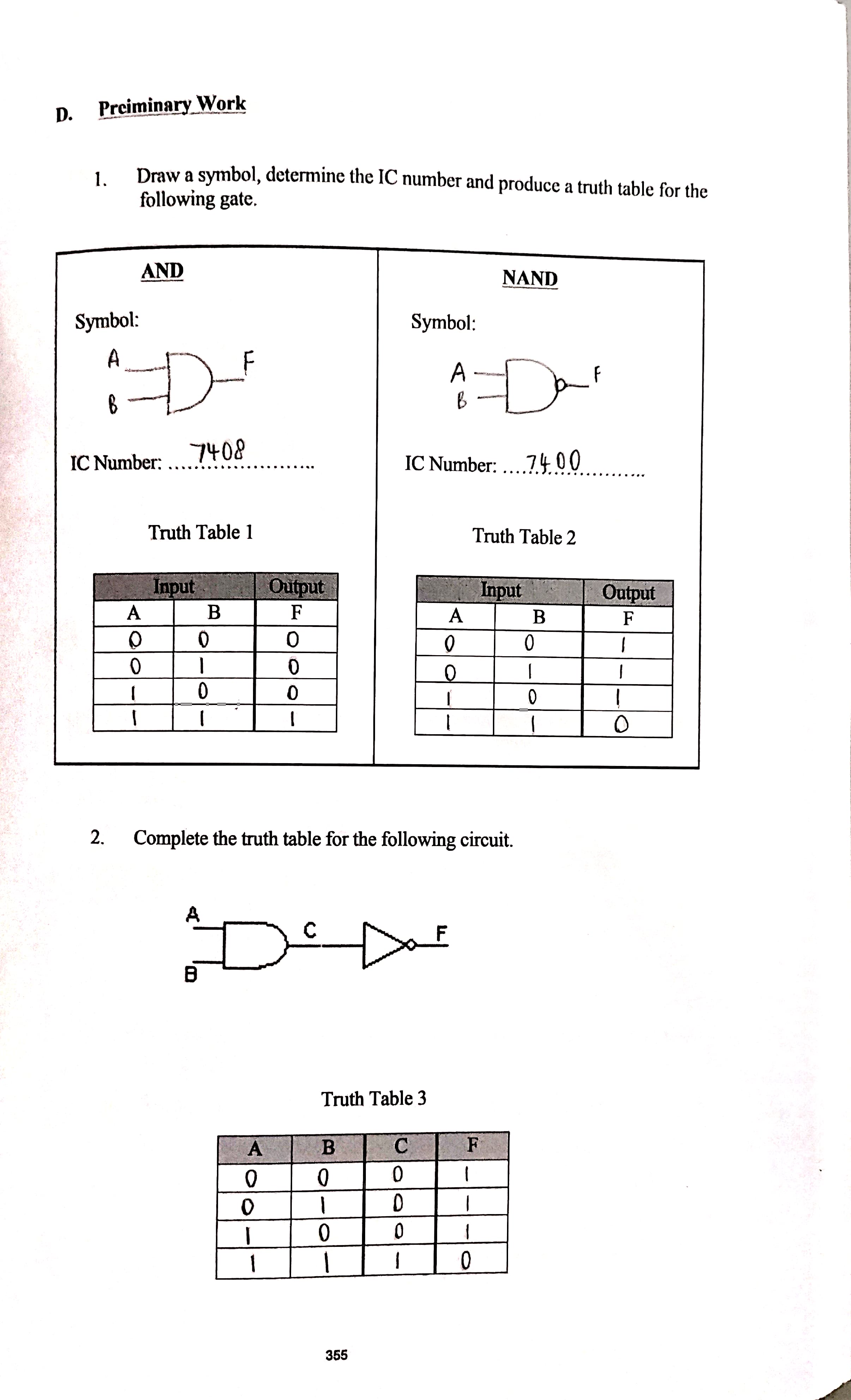


**A=1**

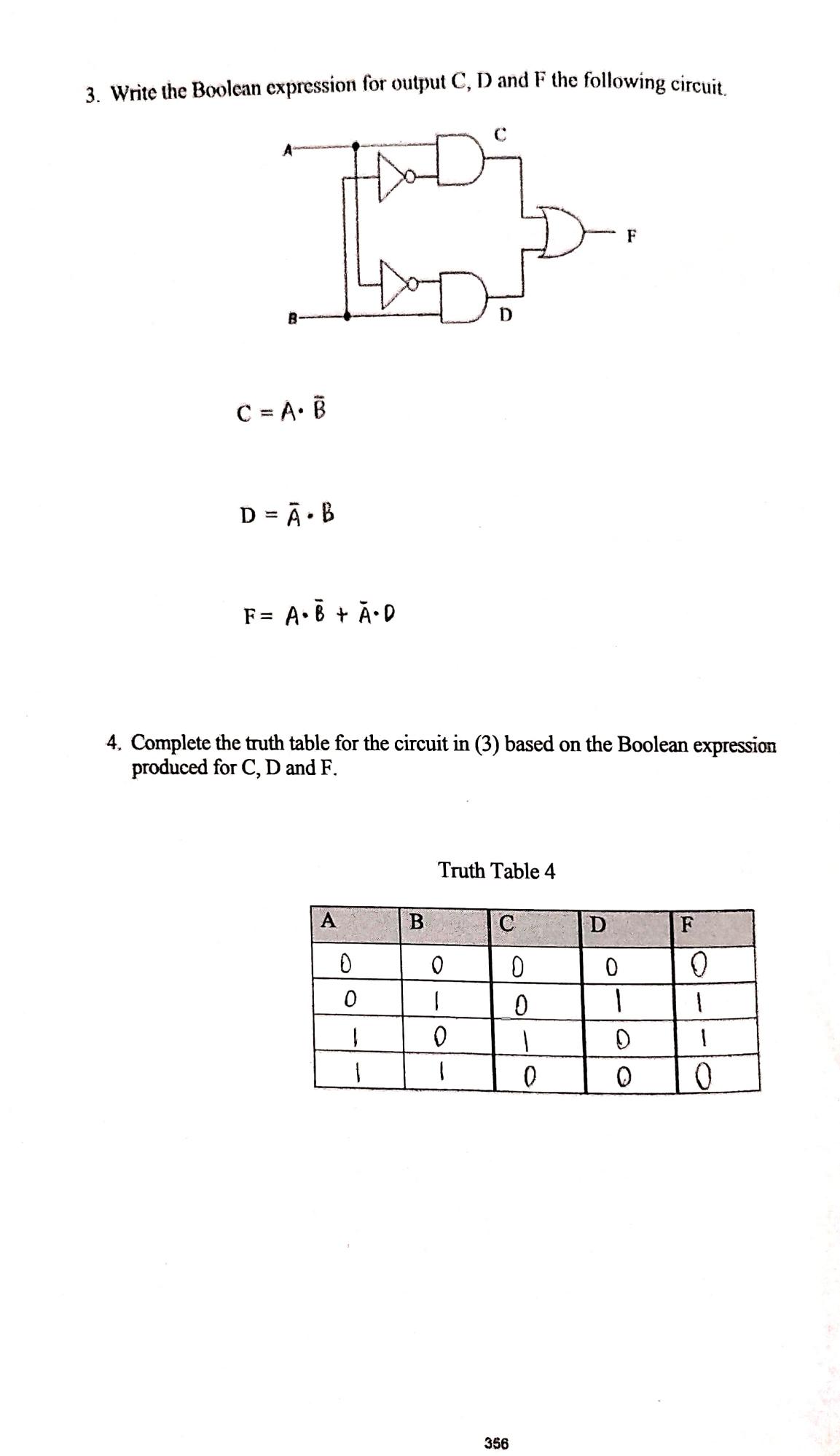
**B=1**

**F=0**

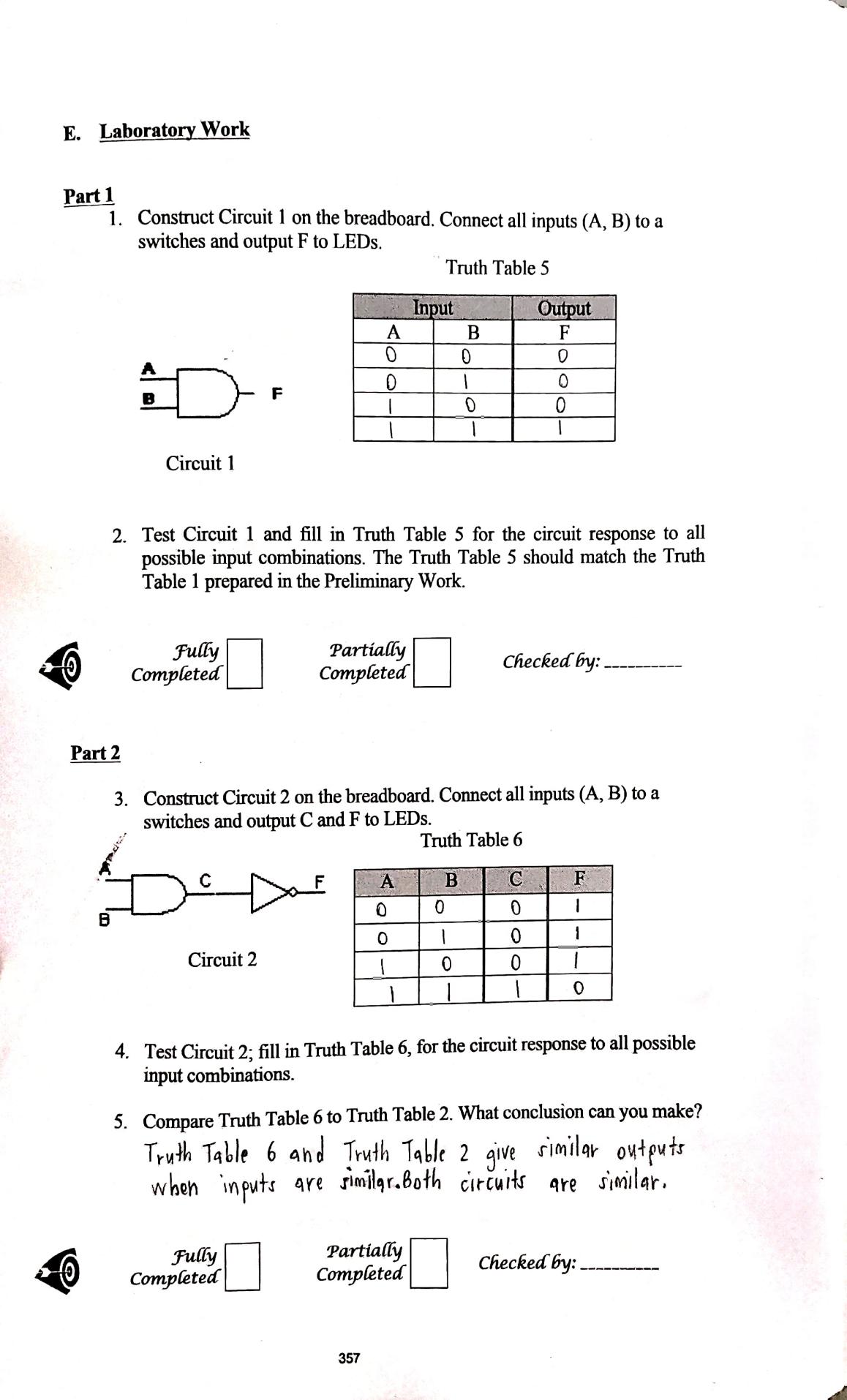
1. **Preliminary Work**



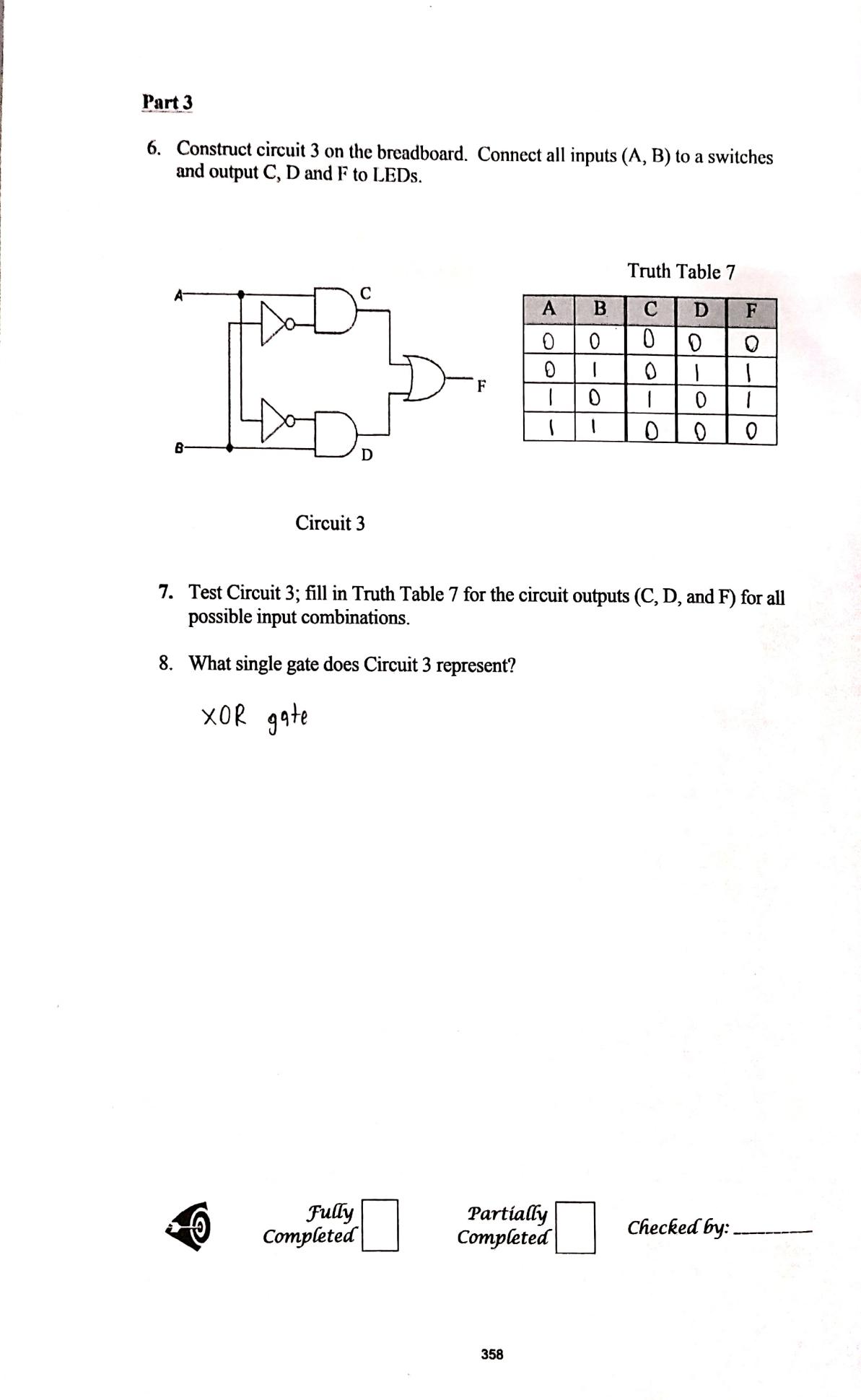
**Preliminary Work (Continuation)**



1. **Laboratory Work**



**Laboratory Work (Continuation)**

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Thank You Dr ^\_^