***Exercise # 04***

**Name: M. Tahir**

**Roll. No.: 21K-4503**

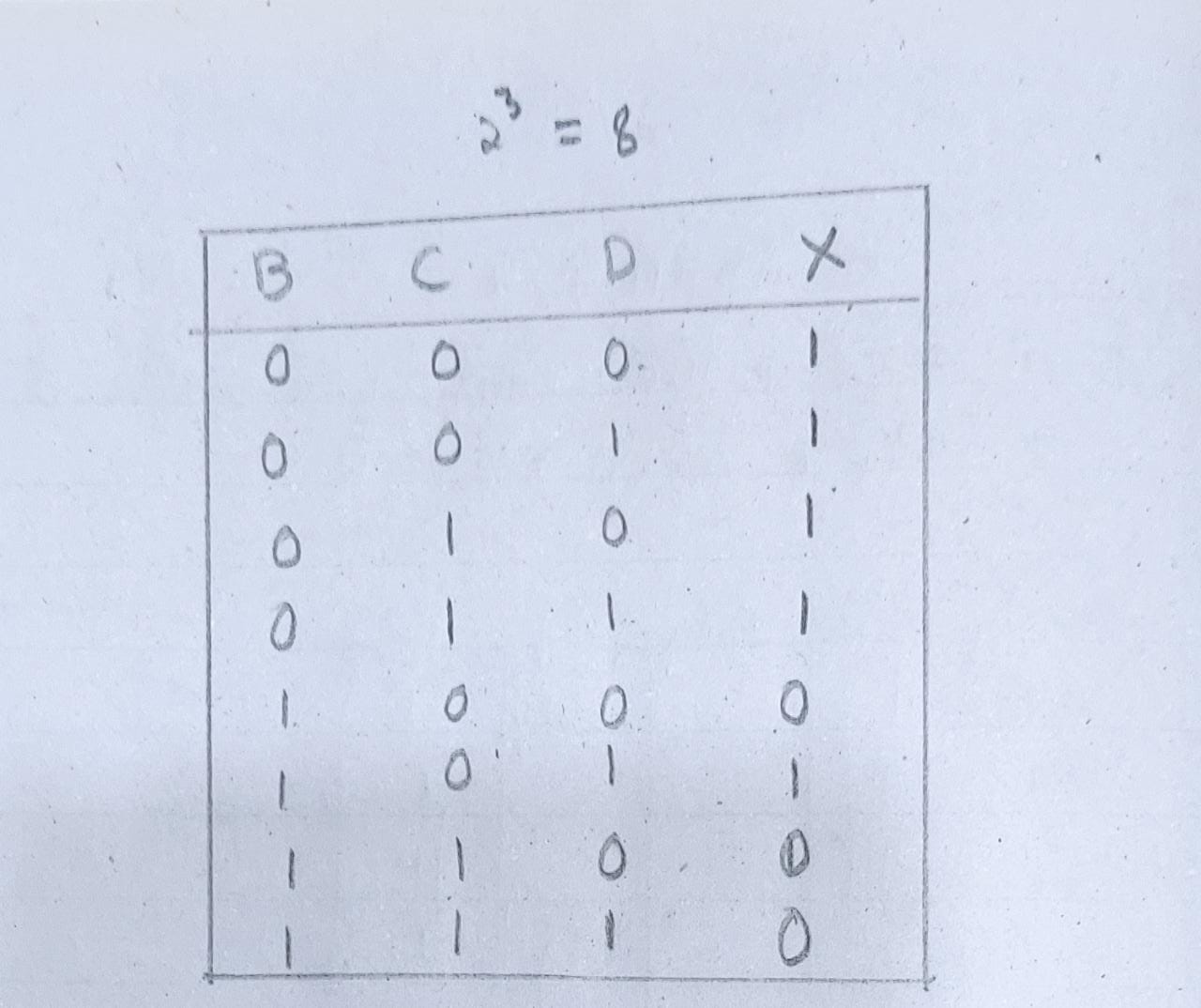
**Section: 2-E**

**Question # 04**

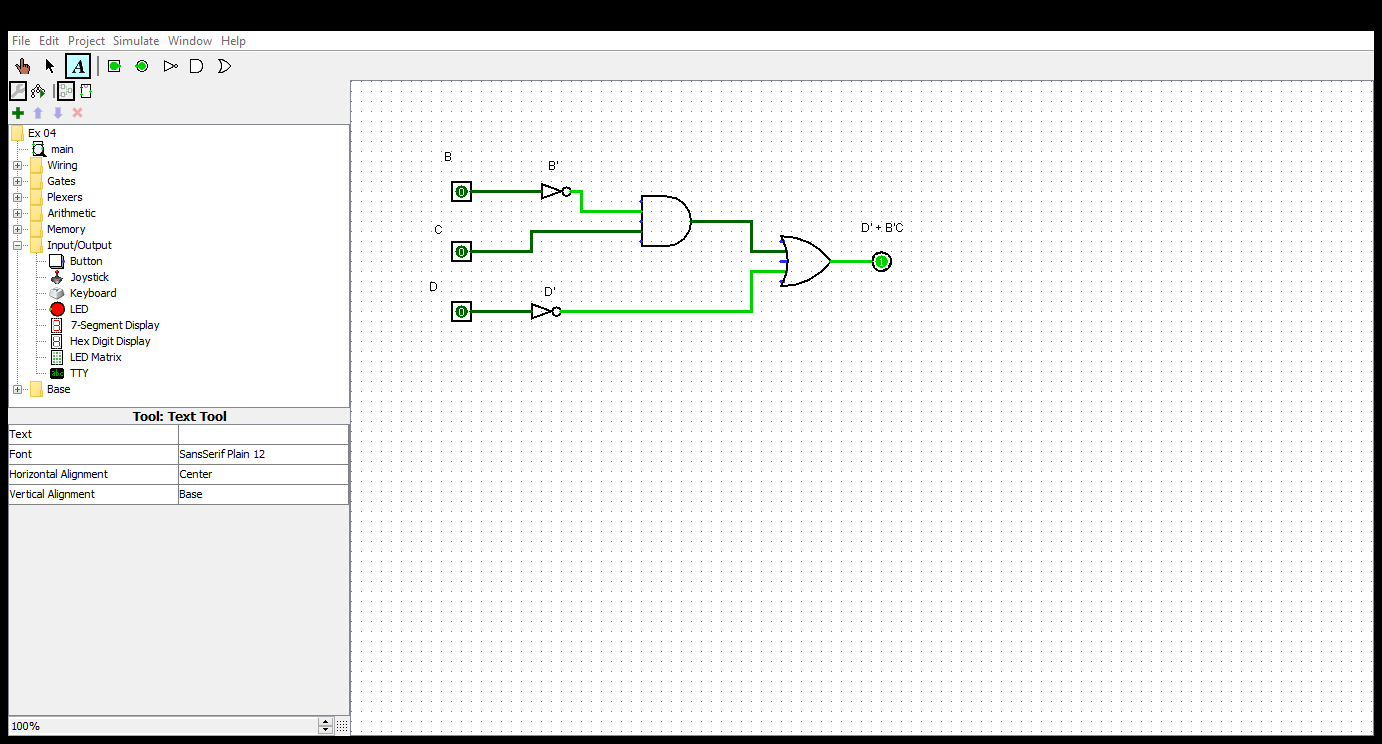
**A piece of paper with writing

Description automatically generated with medium confidence**

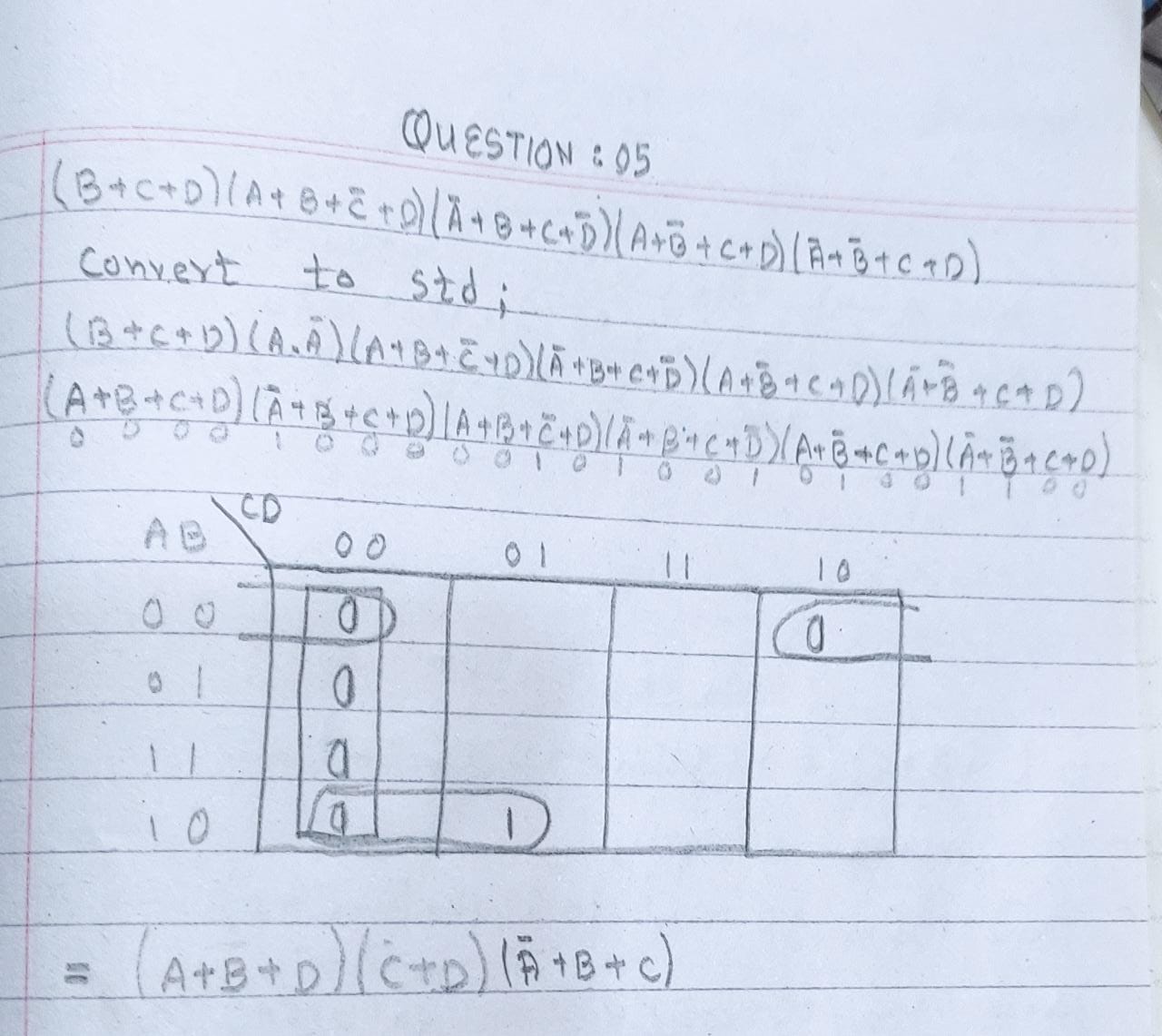
**Truth Table**

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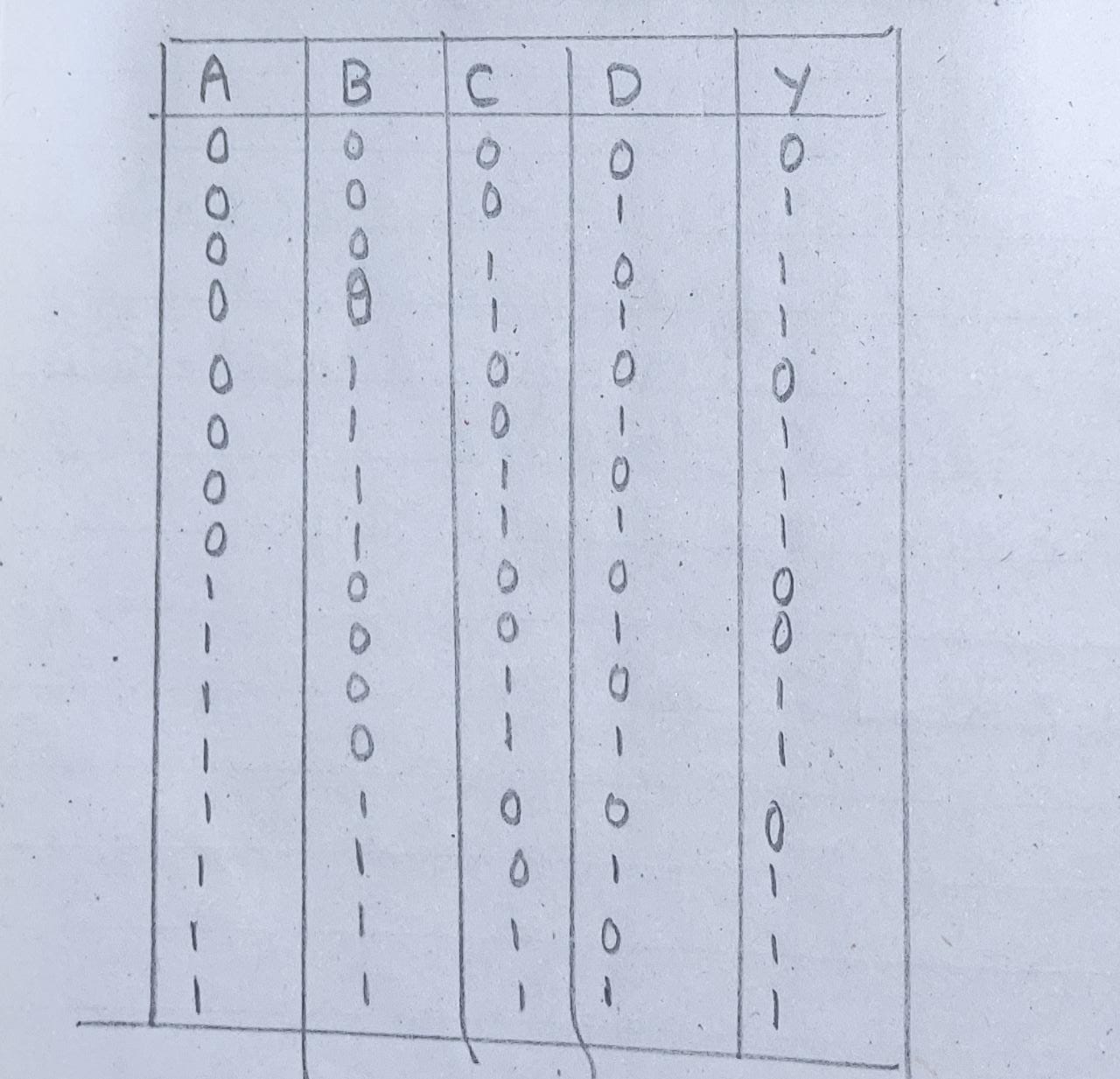
**Minimized SOP on Logisim:**

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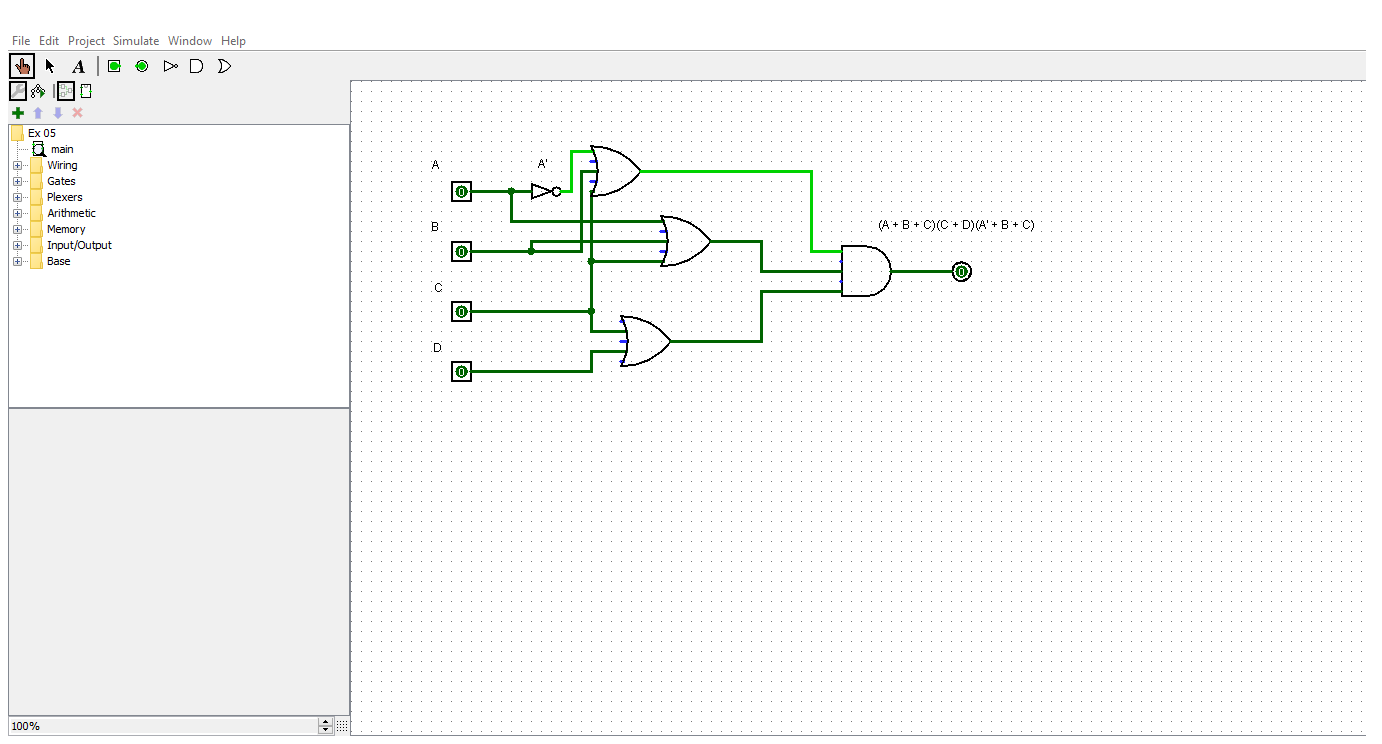
**Question # 05**

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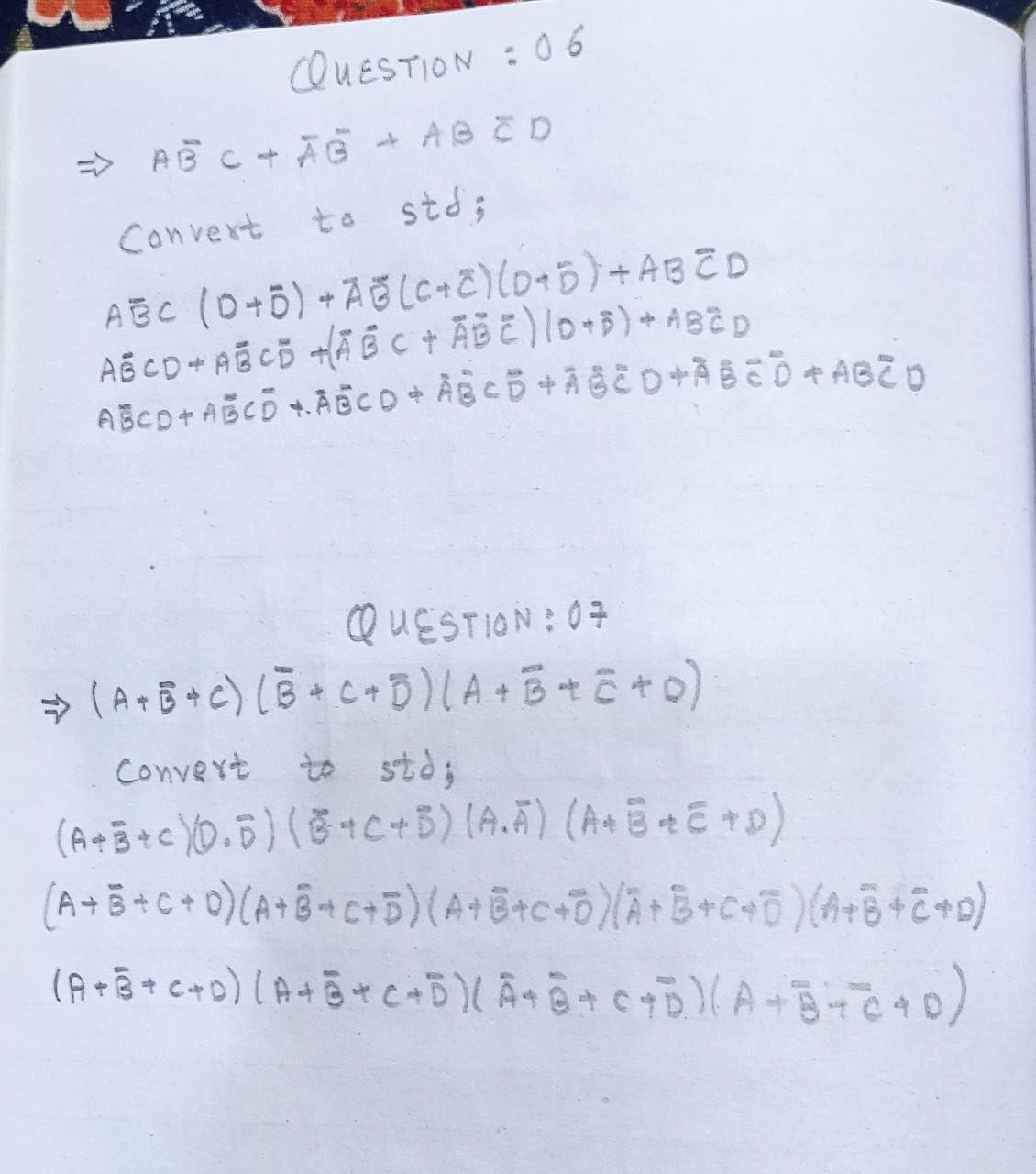
**Truth Table**

****

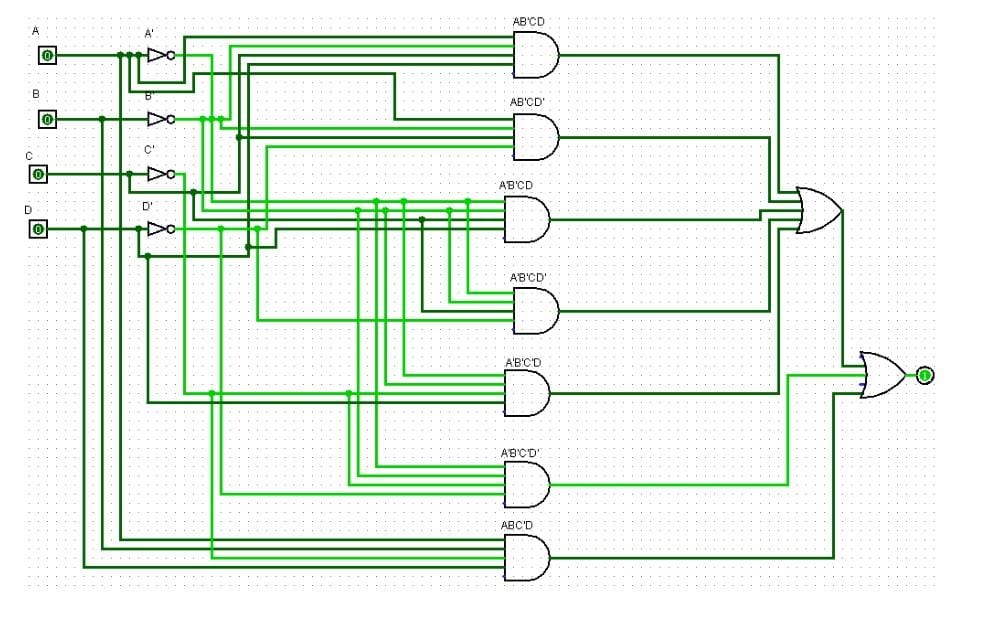
**Minimized POS on Logisim:**

****

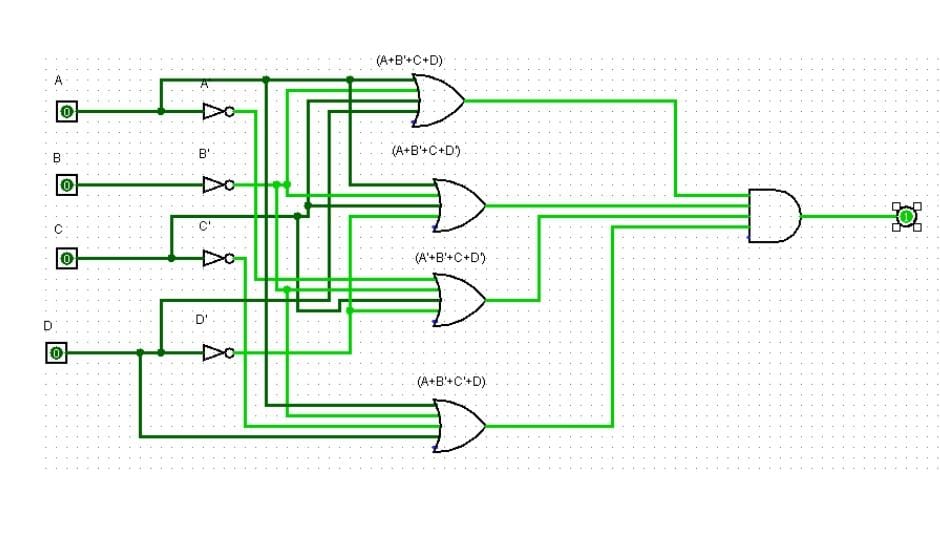
**Question # 06 & 07**

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**Implementation of question # 06**

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**Implementation of question # 07**

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