

## **Faculty of Computing**



### **Lab # 4**

## **Computer Architecture**

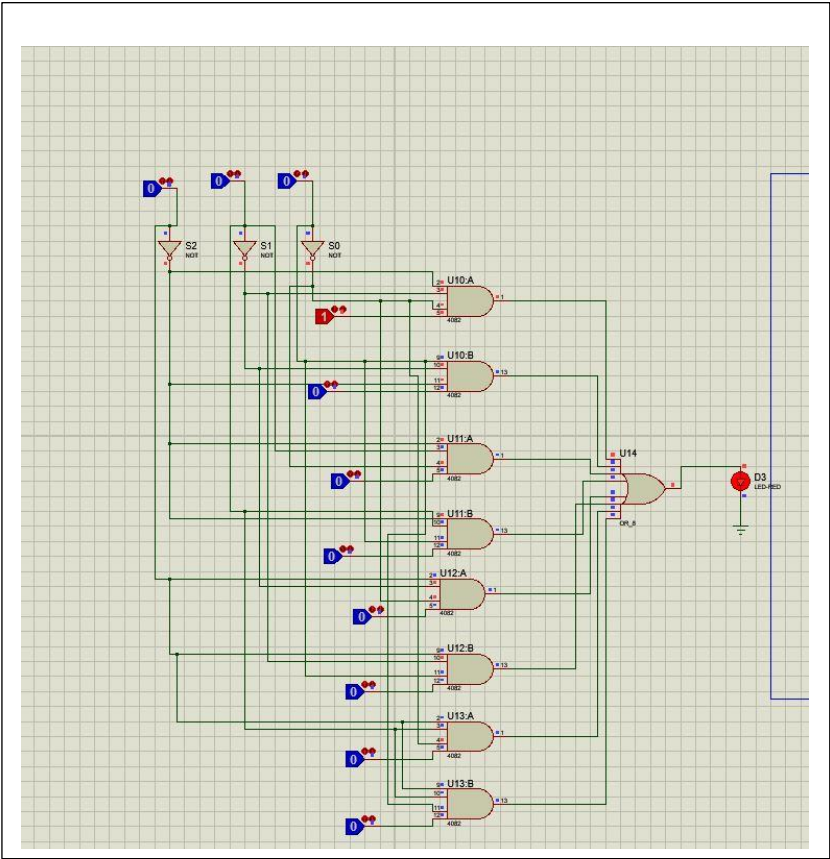
Lab Instructor: Ayesha Akram

Name: Mahnoor Farrukh

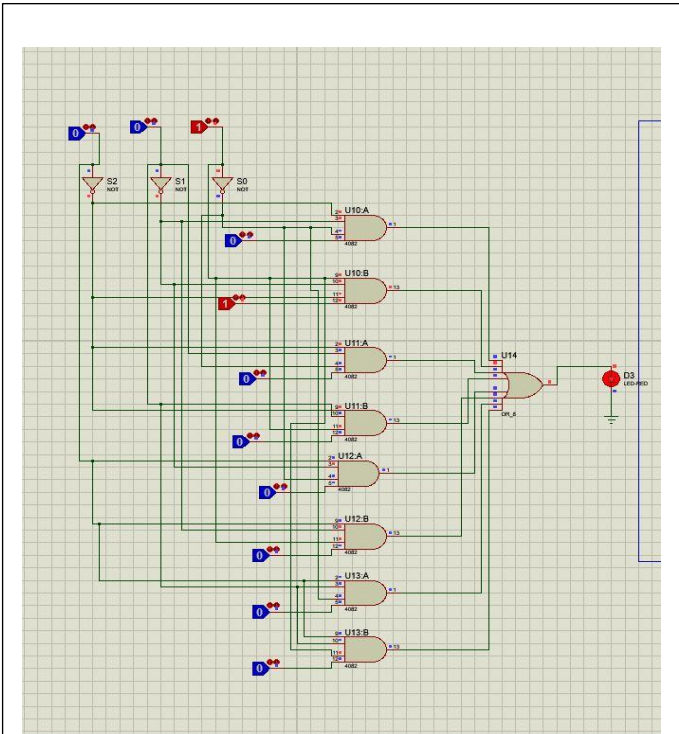
SAP ID: 52926

Semester: BSCS-4

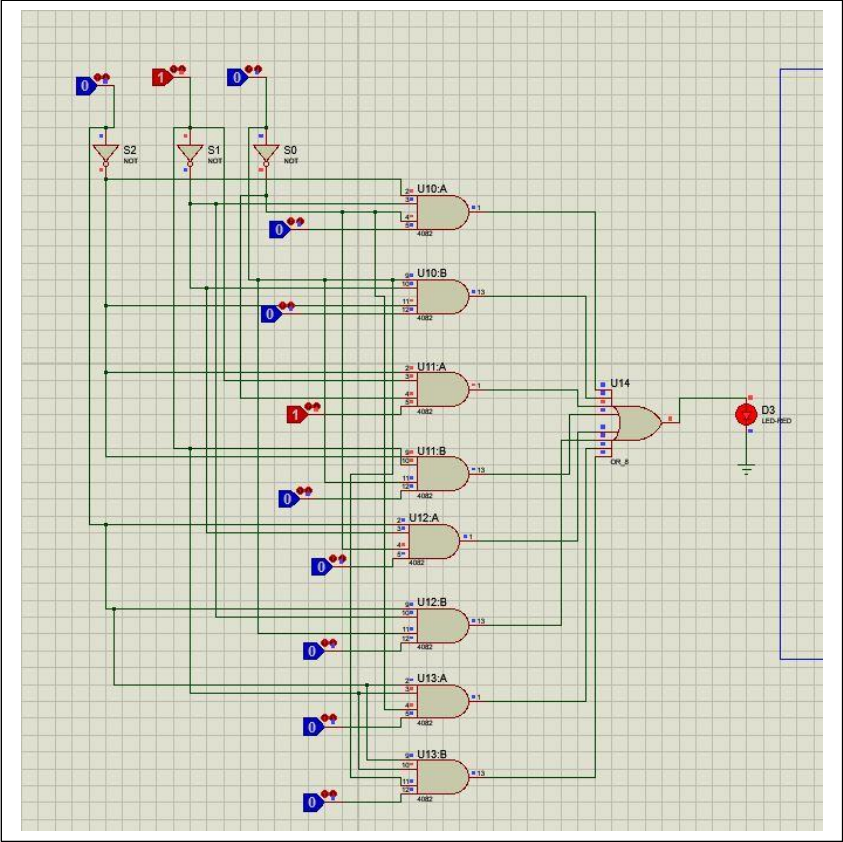
Task 1: Design a 8:1 MUX using Proteus



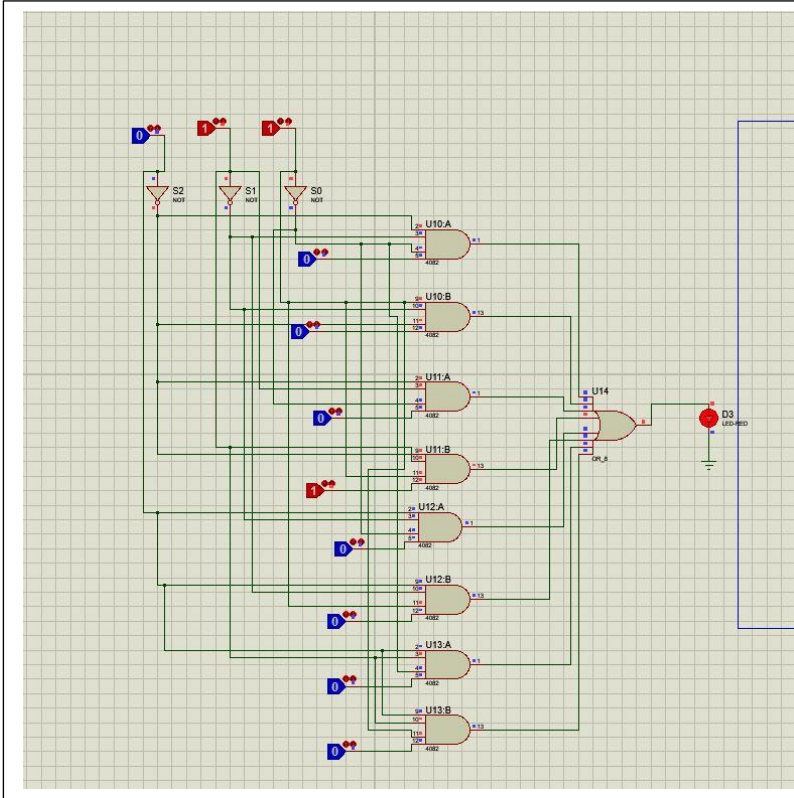
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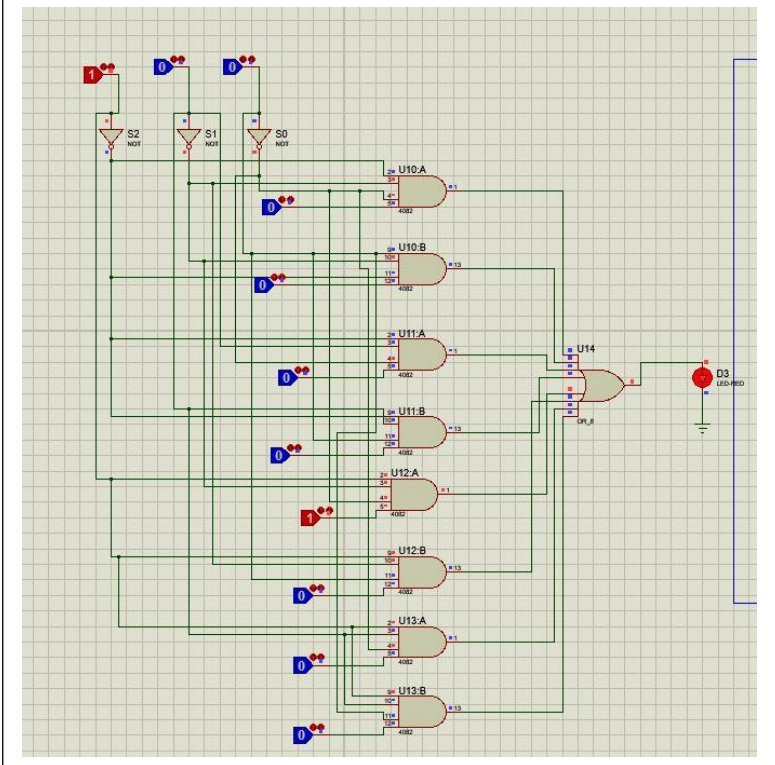
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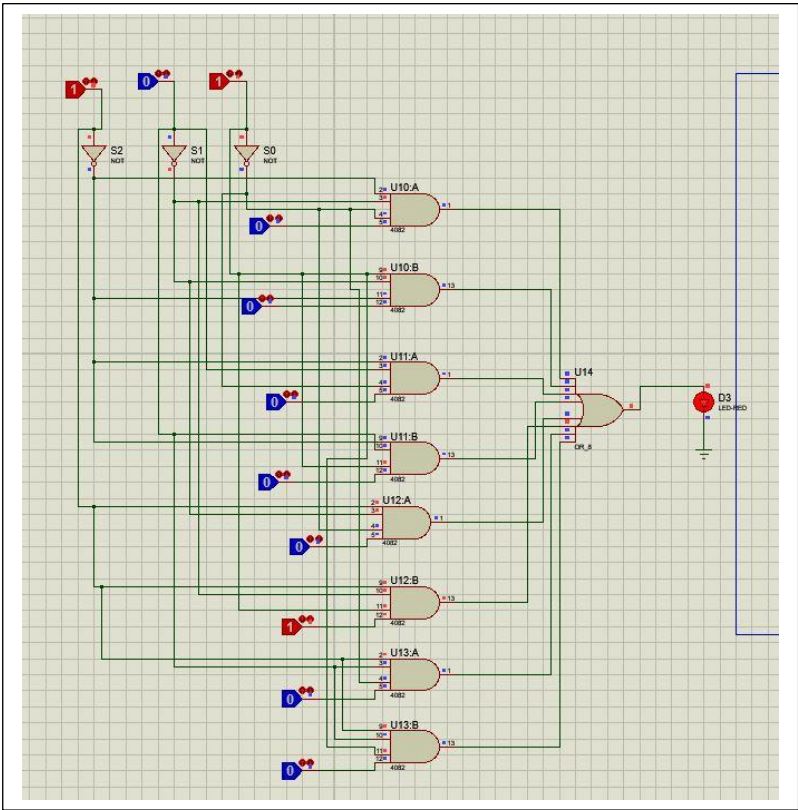
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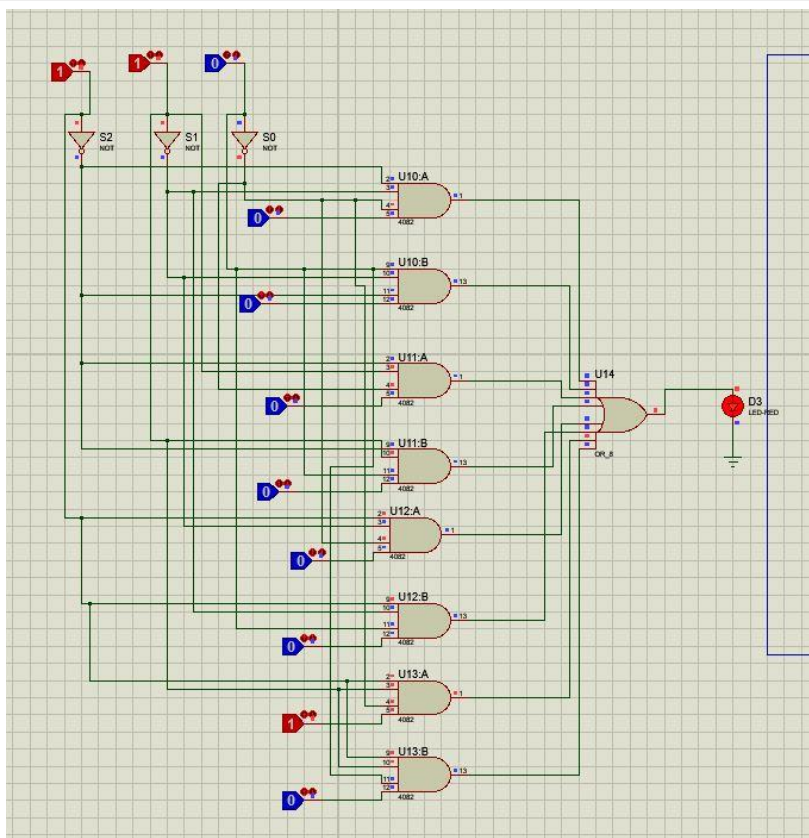
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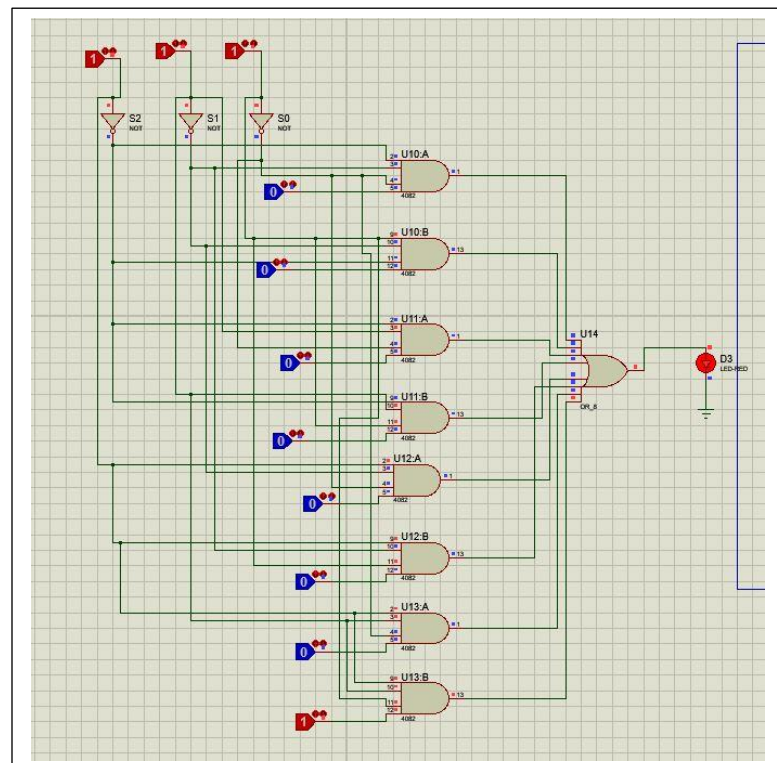
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S2 S1` S0 I5



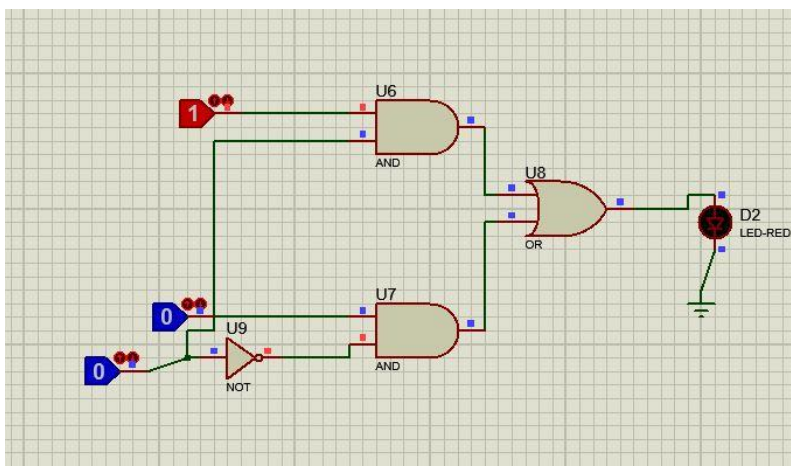
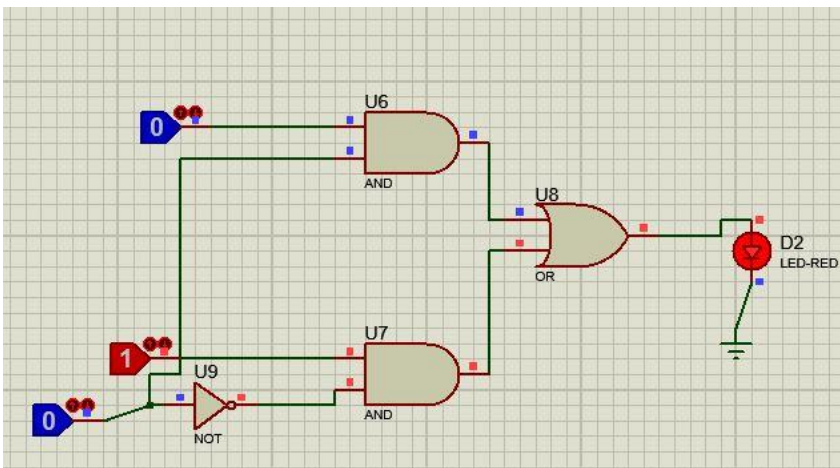
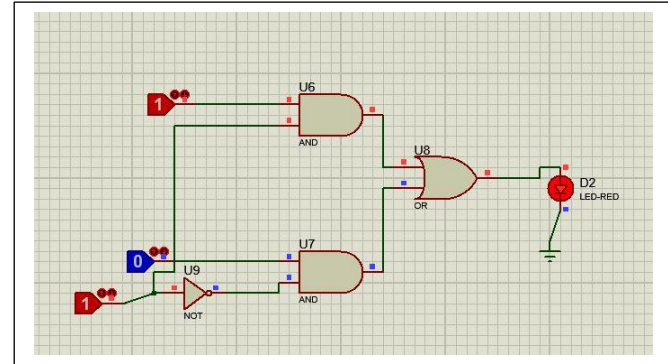
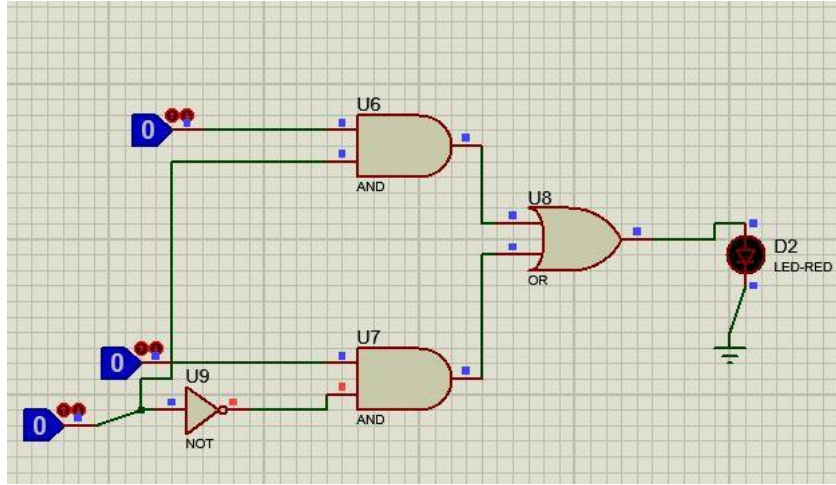
S2 S1 S0' I6



S2 S1 S0 I7



## Task 2: Design a 2:1 MUX using Proteus



**Class Practice : Design a 4:1 MUX using Proteus**

