

**CMS ID:** 2837-2023

**NAME:** IRSHAD AHMED

**SECTION:** A

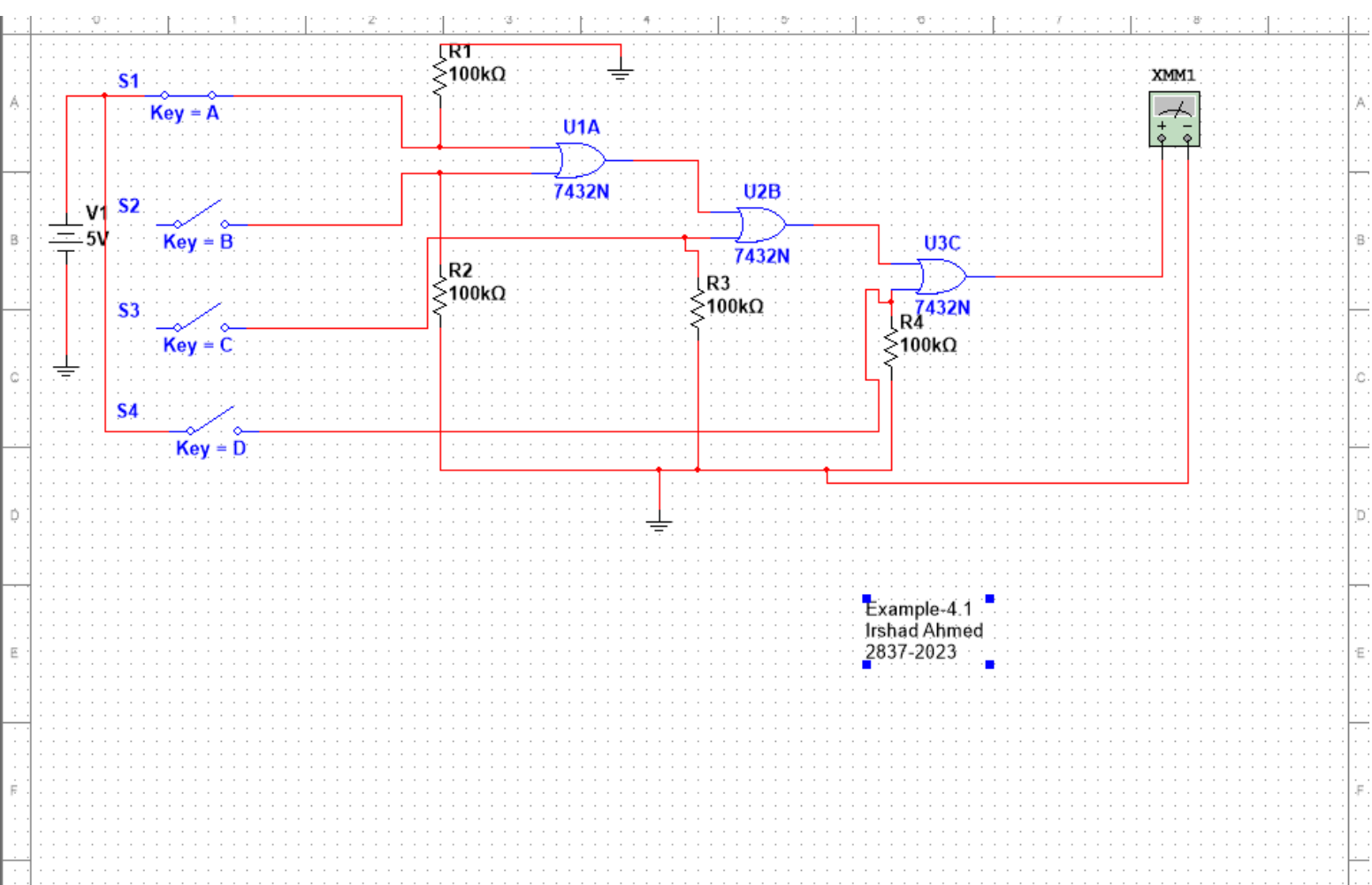
**DEPARTMENT:** BACHELOR OF SCIENCE

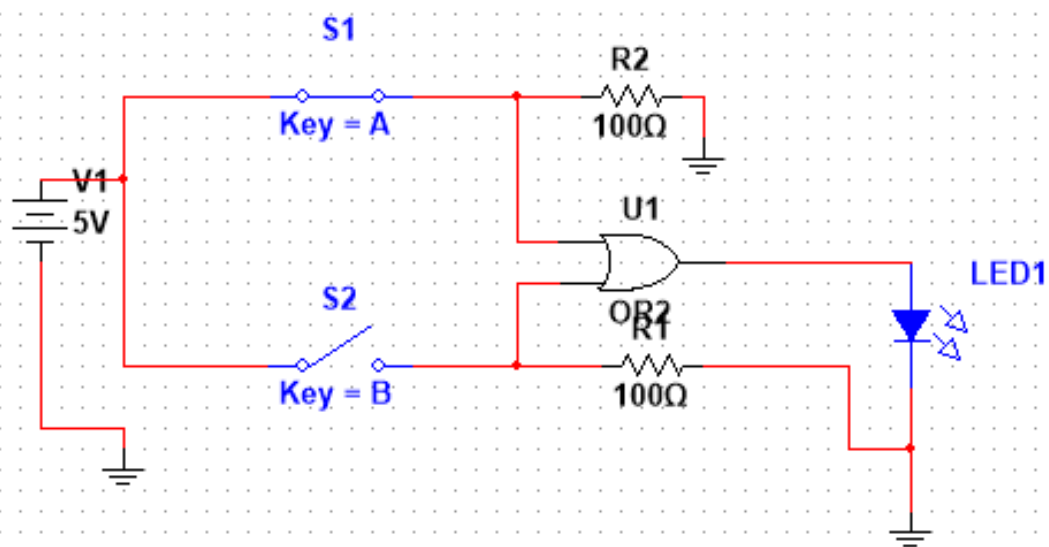
**PROGRAM:** DIGITAL FORENSIC &  
CYBER SECURITY

**TEACHER NAME:** IQBAL-UD-DIN KHAN

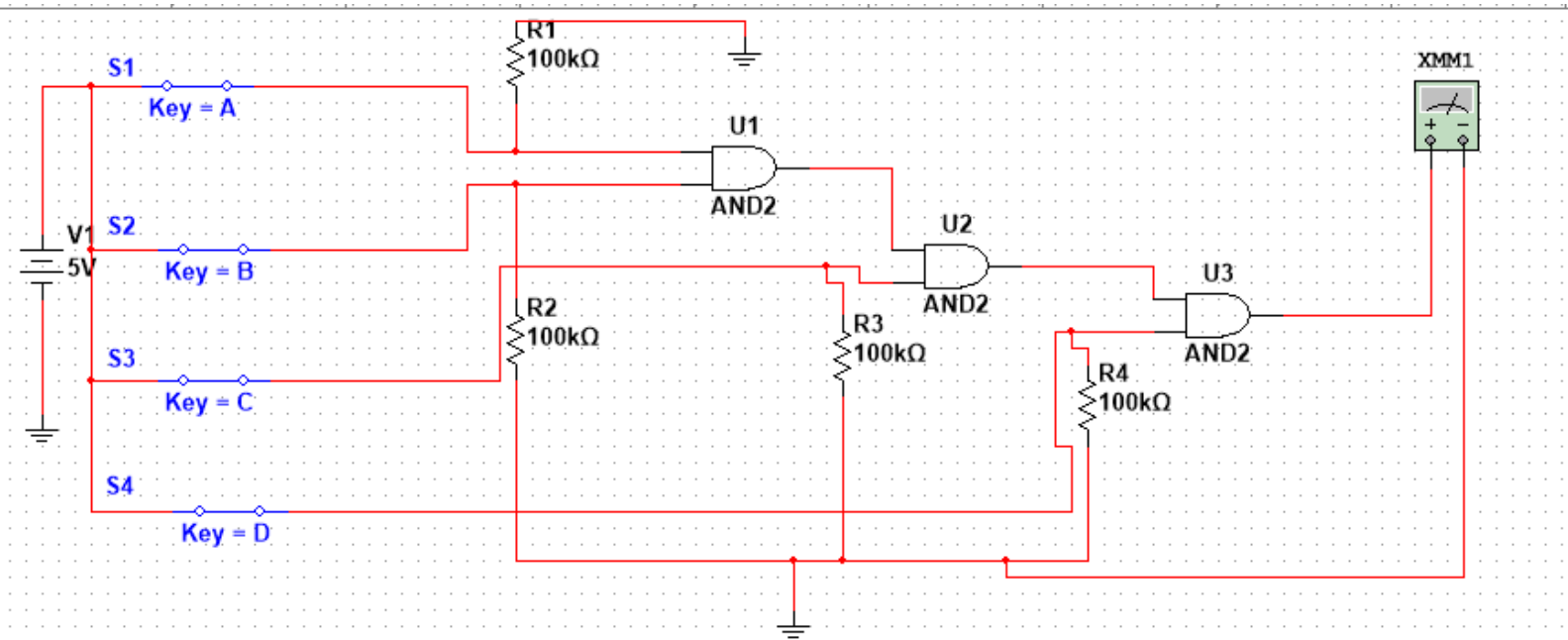
**SUBMISSION DATE:** 30-1-2024

**ASSIGNMENT NO 1**  
**DIGITAL LOGIC DESIGN (DLD)**

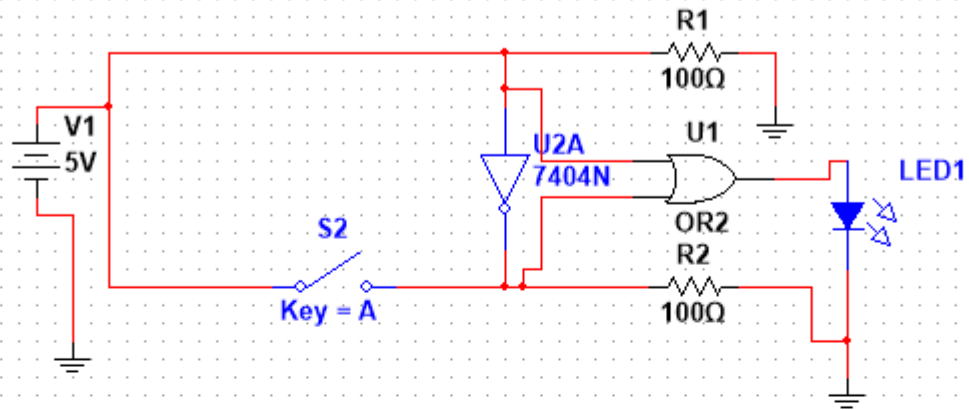




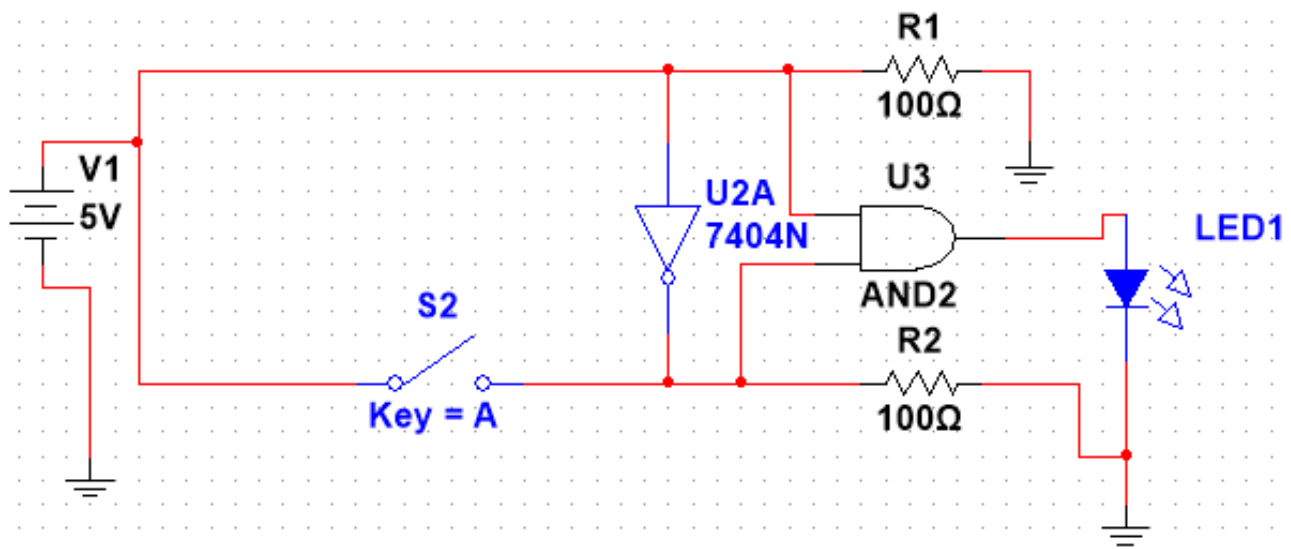
■ Example-4.2 ■  
■ Irshad Ahmed ■  
■ 2837-2023 ■



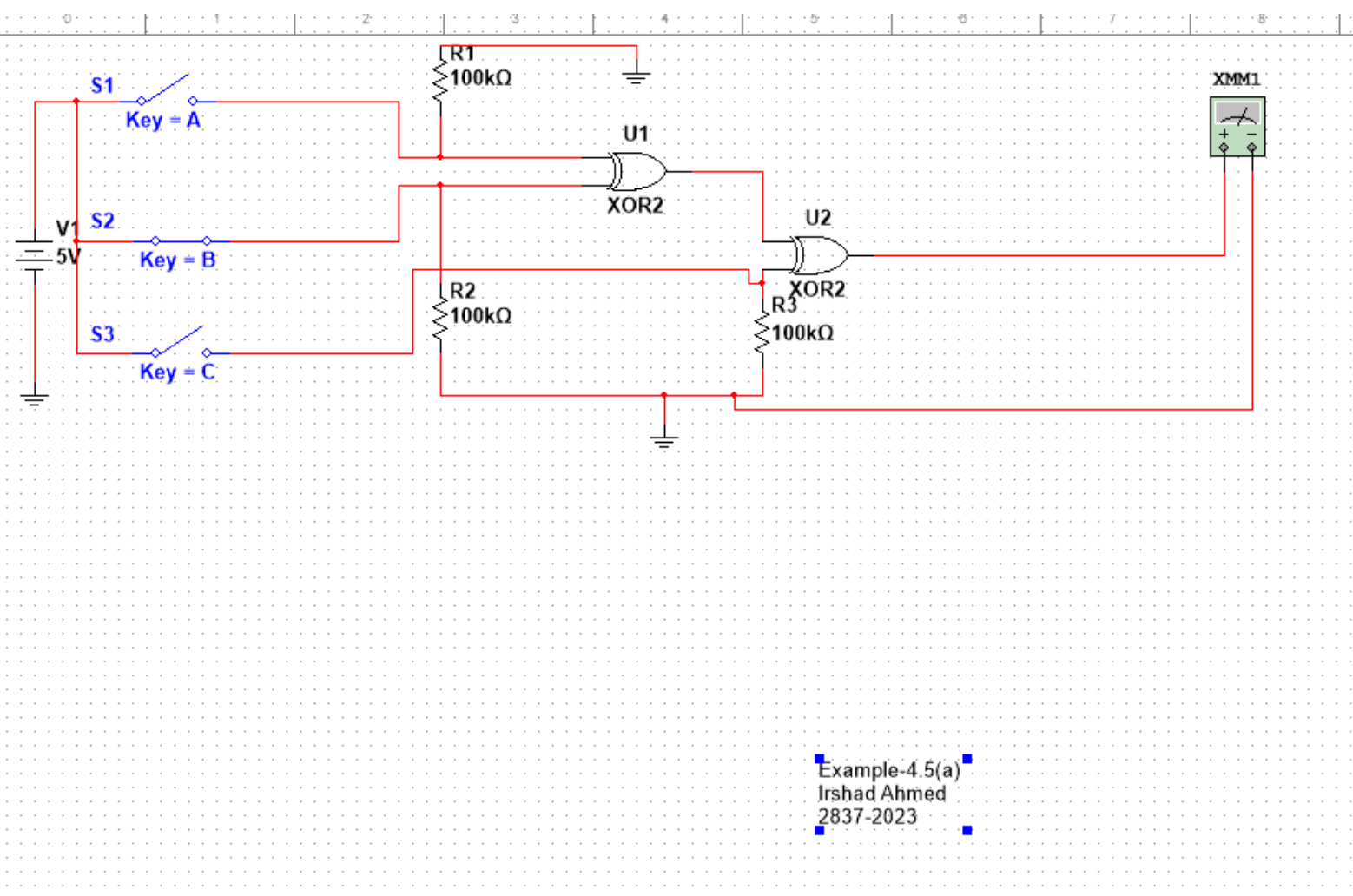
■ Example-4.3 ■  
■ Irshad Ahmed ■  
■ 2837-2023 ■

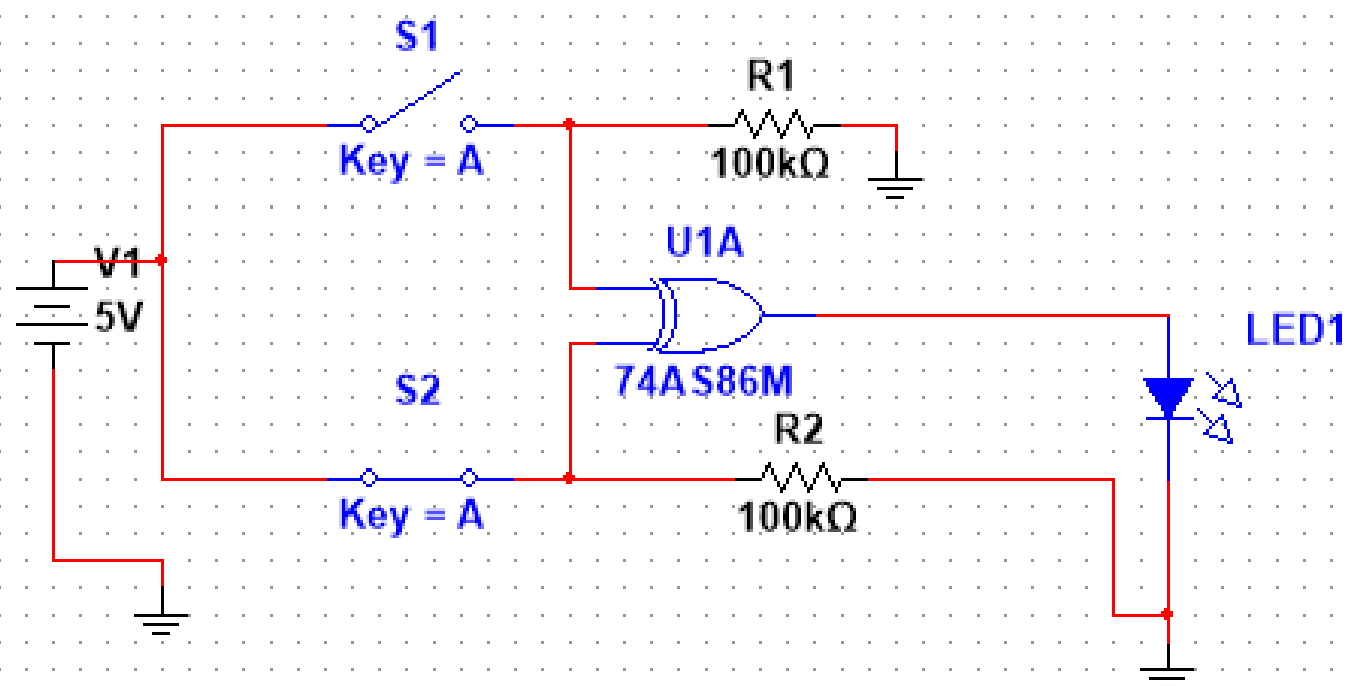


■ Example-4.4(a) ■  
Irshad Ahmed  
2837-2023 ■



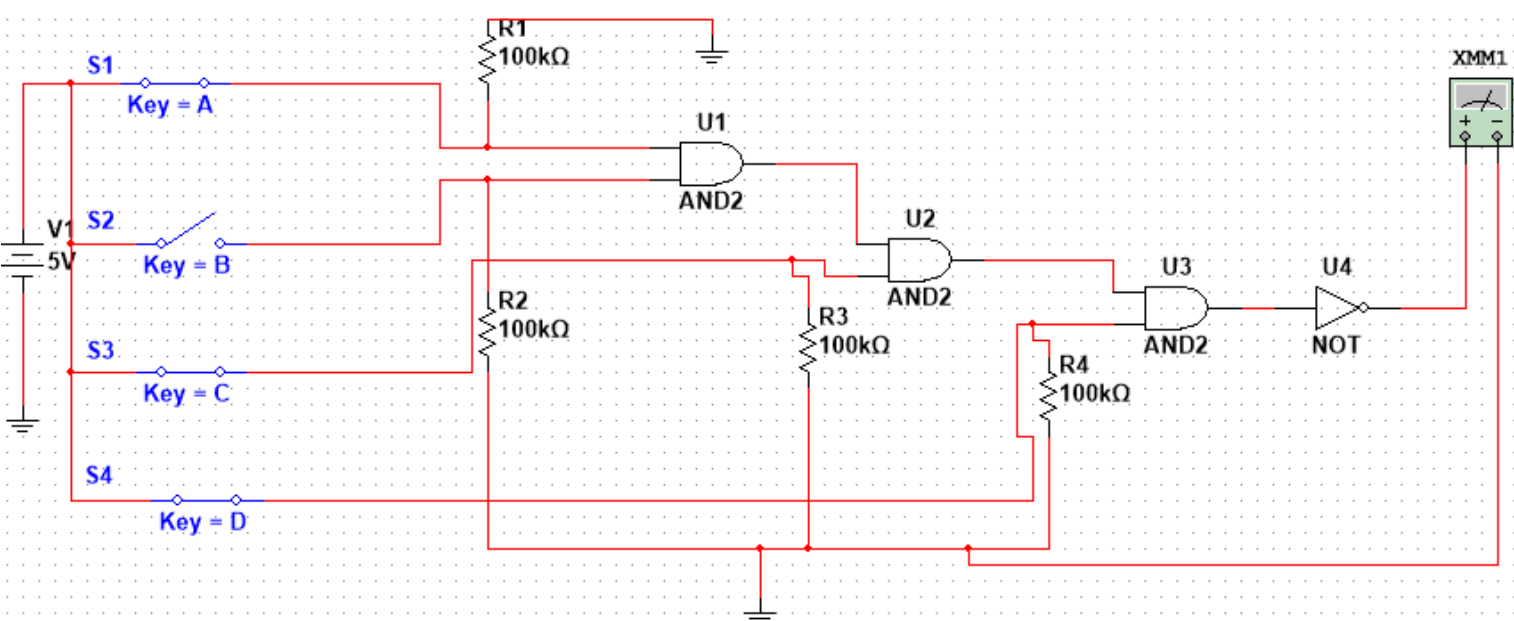
■ Example-4.4(b) ■  
Irshad Ahmed  
2837-2023 ■



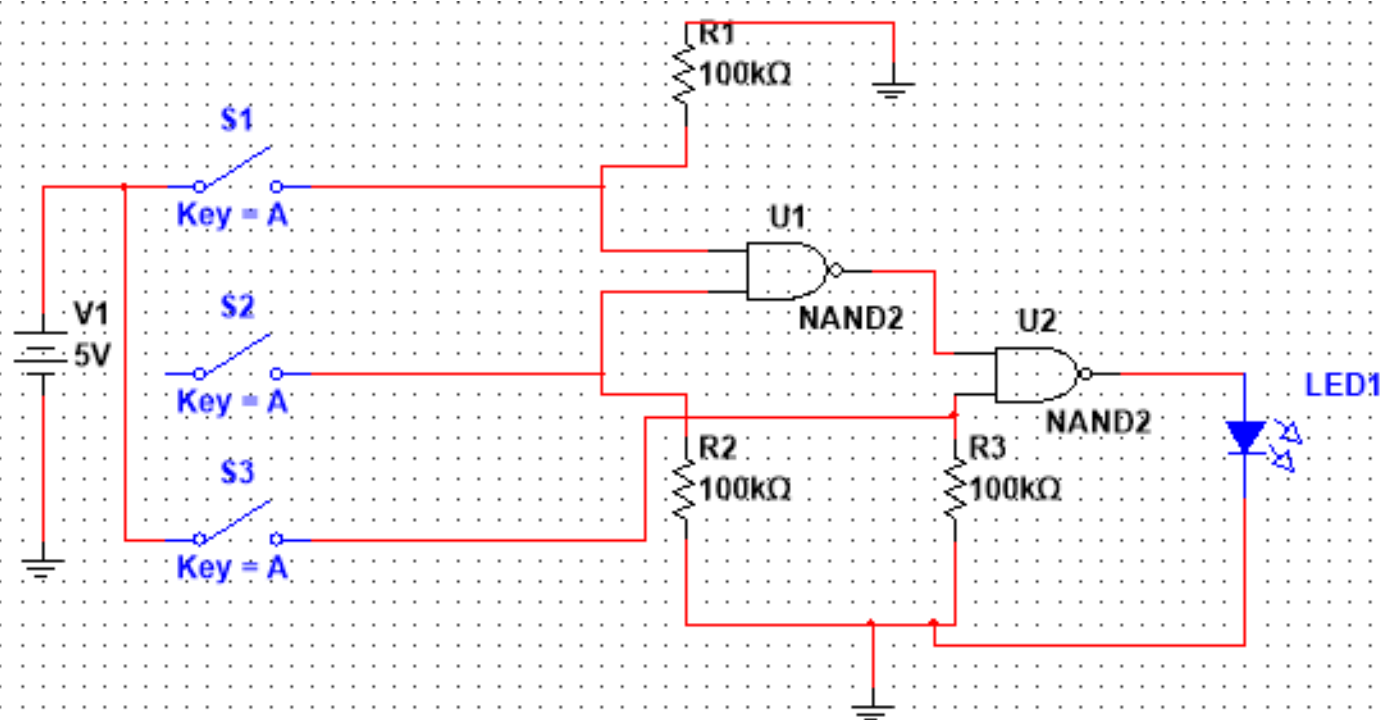


■ Example-4.6 ■  
Irshad Ahmed  
2837-2023 ■

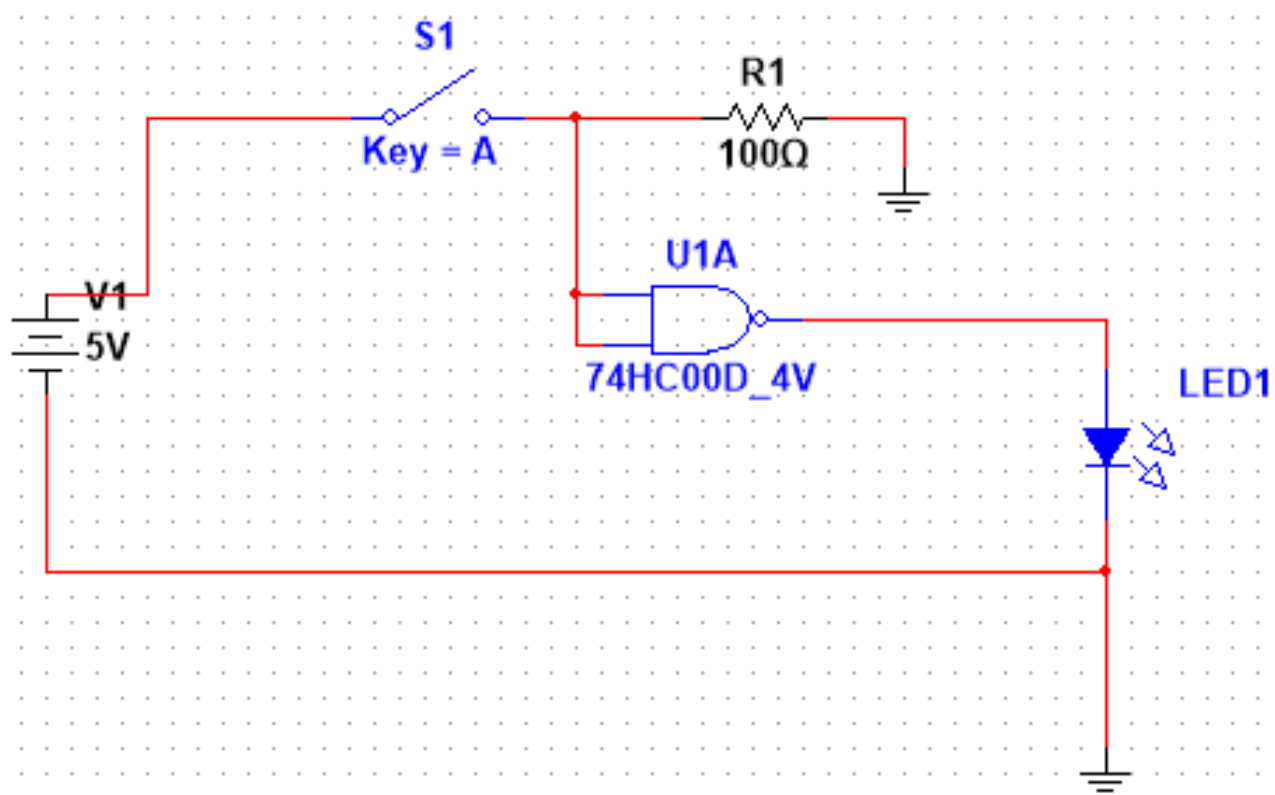




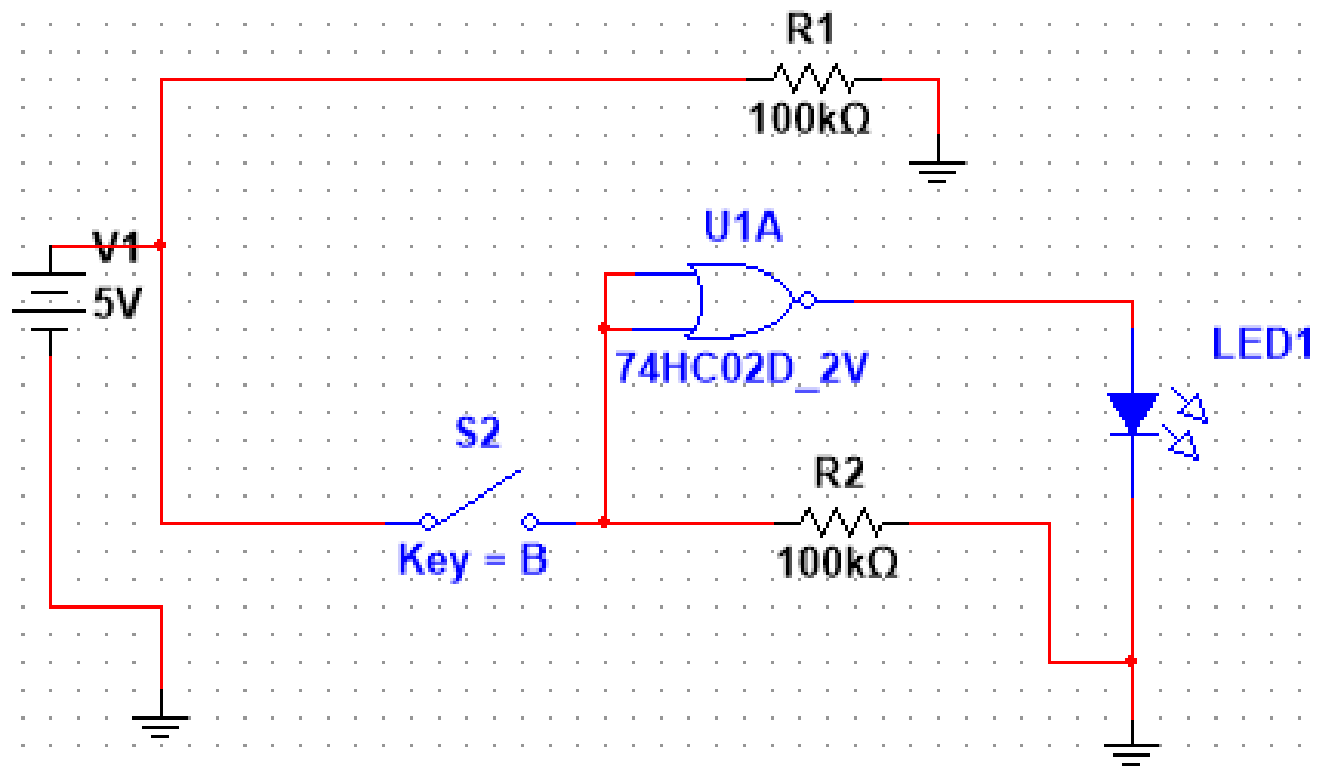
Example-4.7(a)  
Irshad Ahmed  
2837-2023



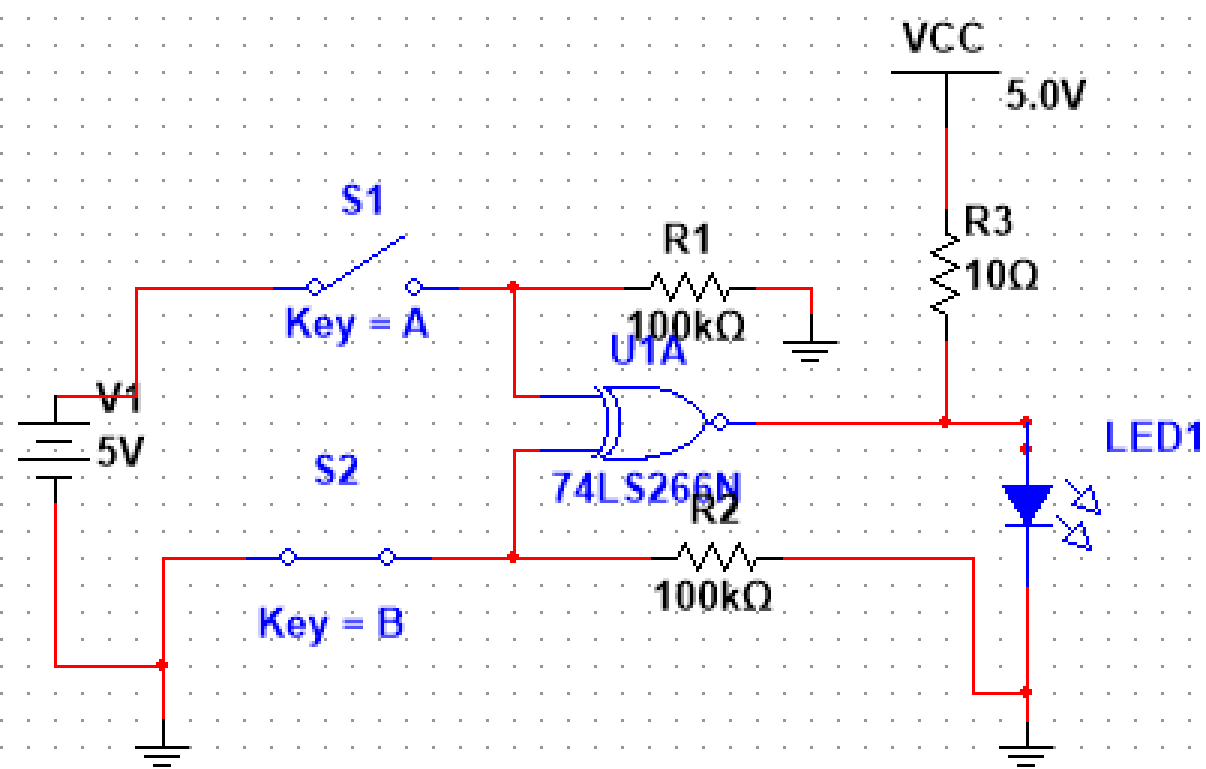
Example-4.7(b)  
Irshad Ahmed  
2837-2023



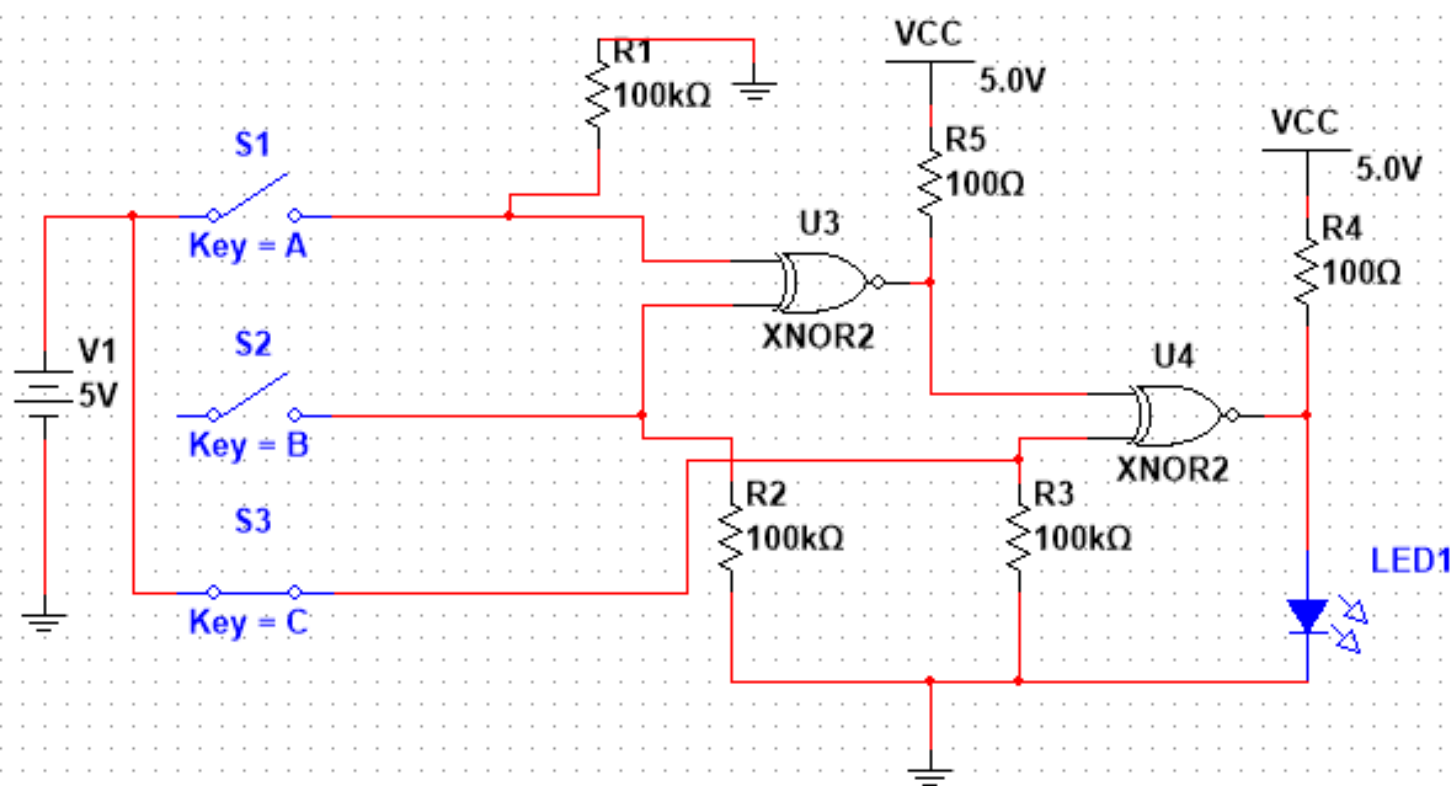
Example-4.7(c)  
Irshad Ahmed  
2837-2023



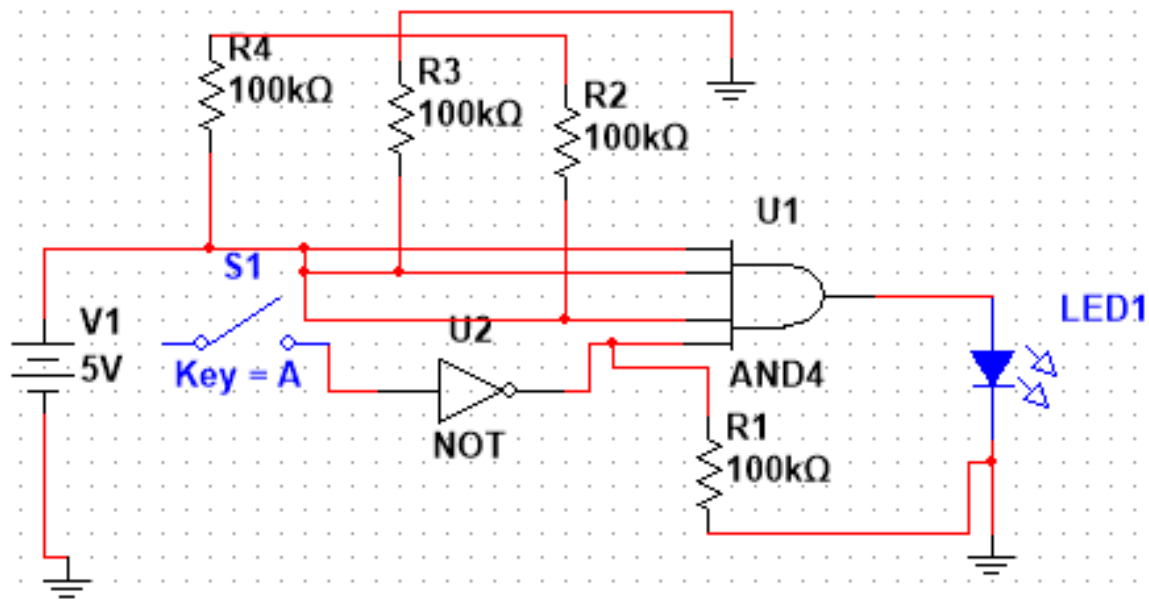
Example-4.7(d)  
Irshad Ahmed  
2837-2023



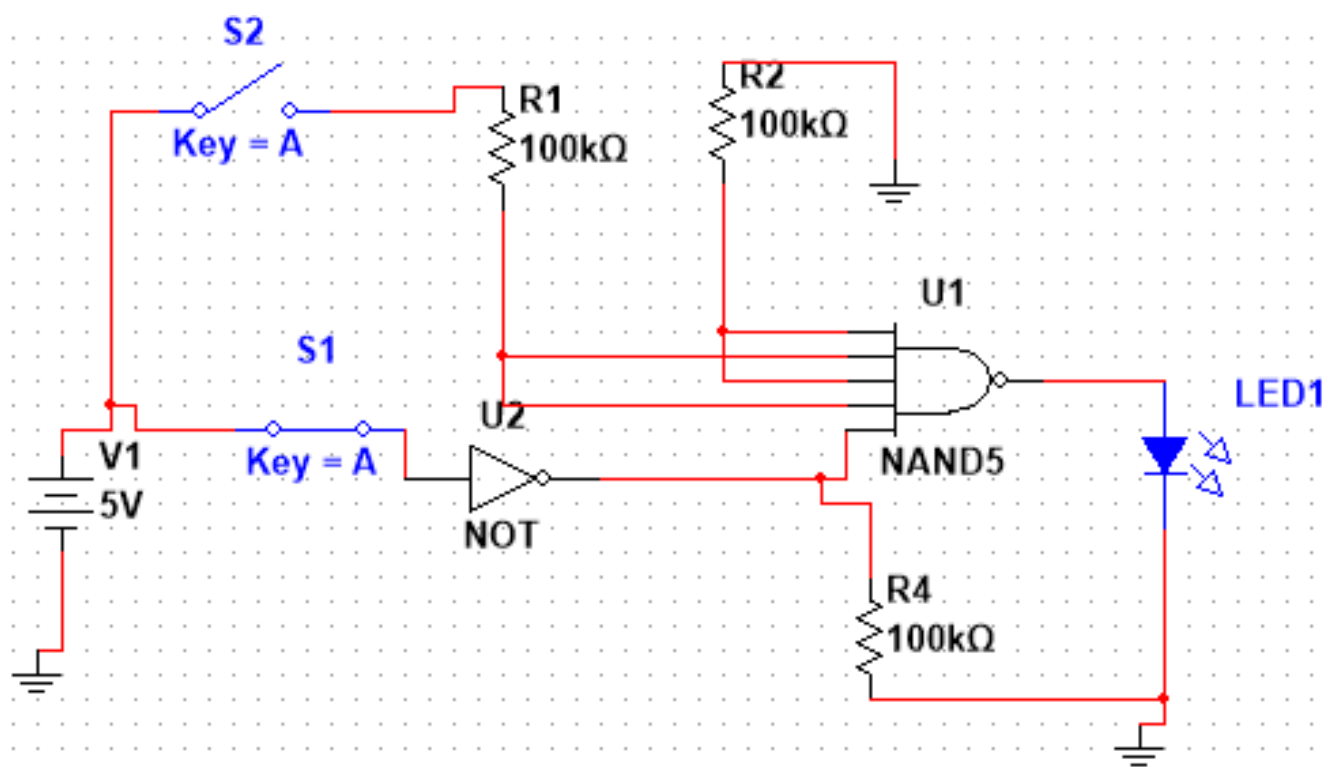
■ Example-4.7(e) ■  
■ Irshad Ahmed ■  
■ 2837-2023 ■



Example-4.8  
 Irshad Ahmed  
 2837-2023

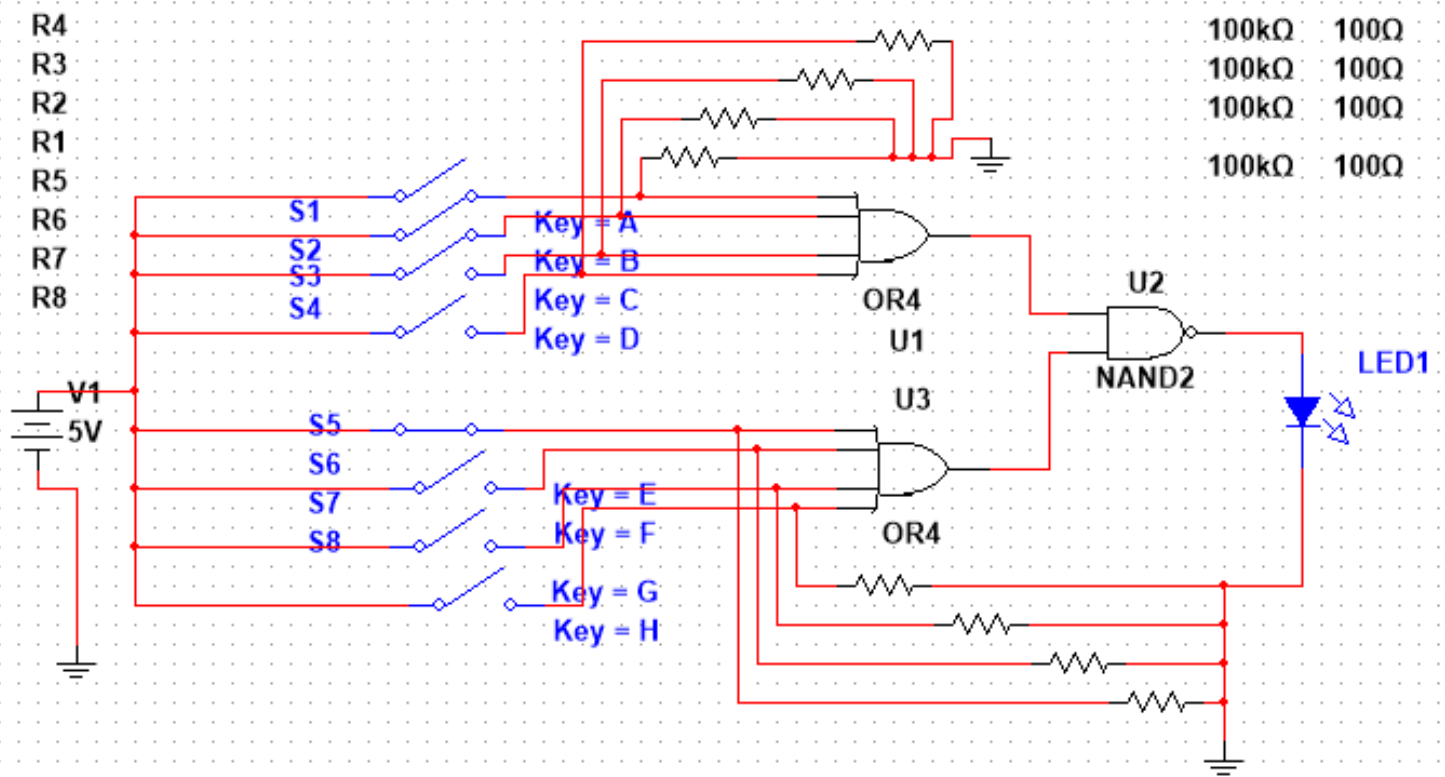


■ Example-4.9 ■  
■ Irshad Ahmed ■  
■ 2837-2023 ■



Example-4.10  
Irshad Ahmed  
2837-2023

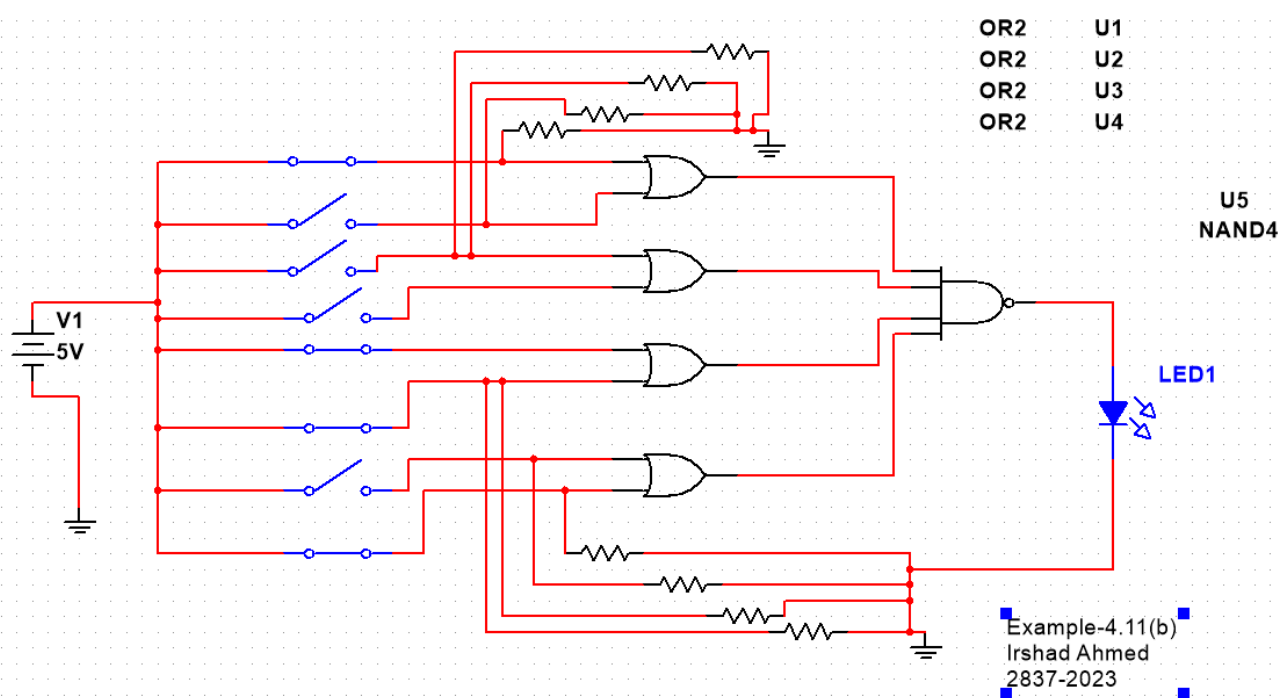


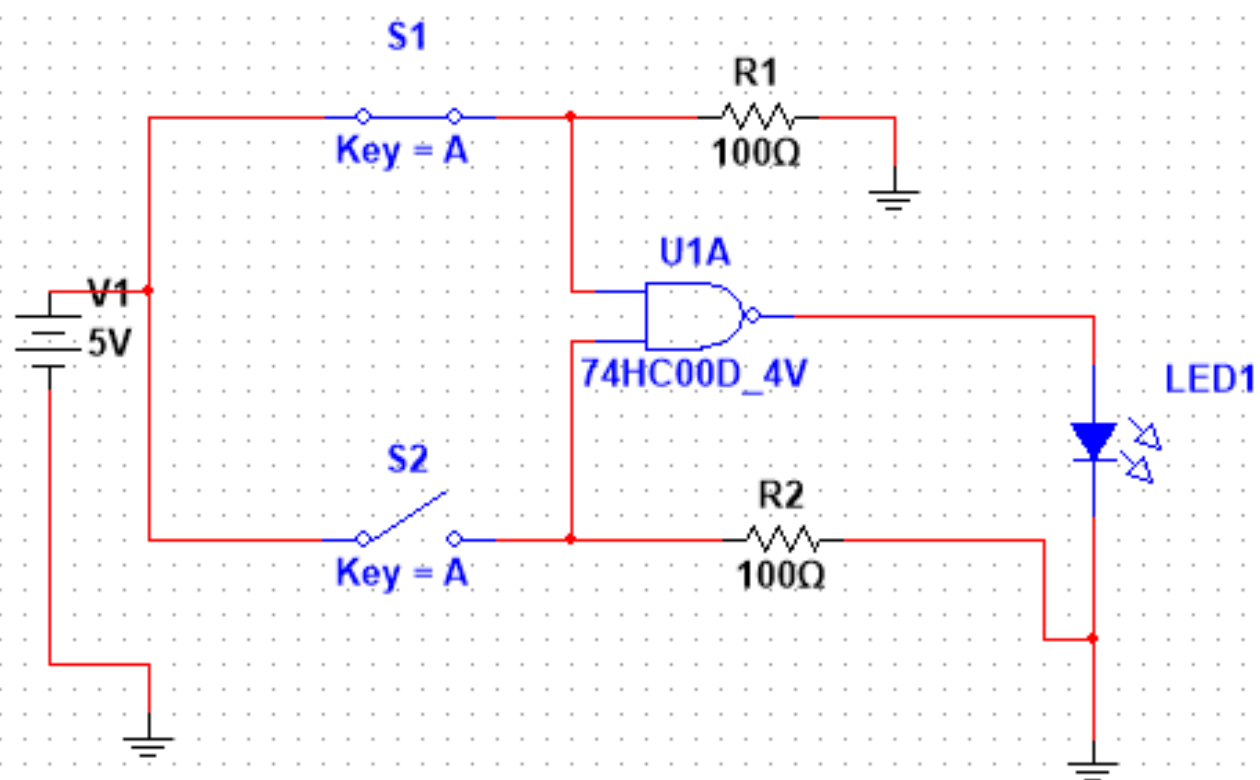


Example-4.11(a)  
Irshad Ahmed  
2837-2023

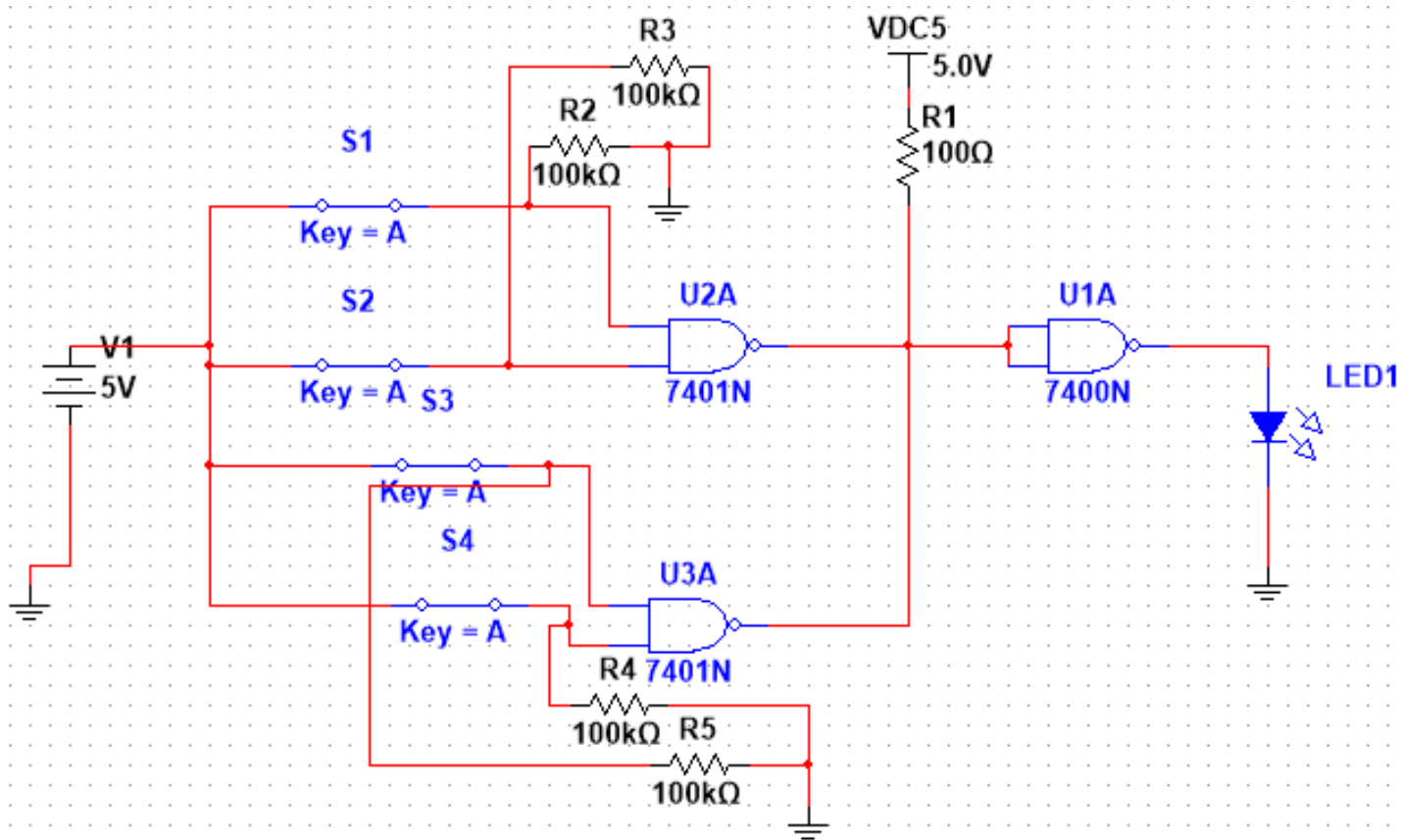
S1 Key = A  
 S2 Key = B  
 S3 Key = C  
 S4 Key = D  
 S5 Key = E  
 S6 Key = F  
 S7 Key = G  
 S8 Key = H

R1 100k $\Omega$   
 R2 100k $\Omega$   
 R3 100k $\Omega$   
 R4 100k $\Omega$   
 R5 100k $\Omega$   
 R6 100k $\Omega$   
 R7 100k $\Omega$   
 R8 100k $\Omega$

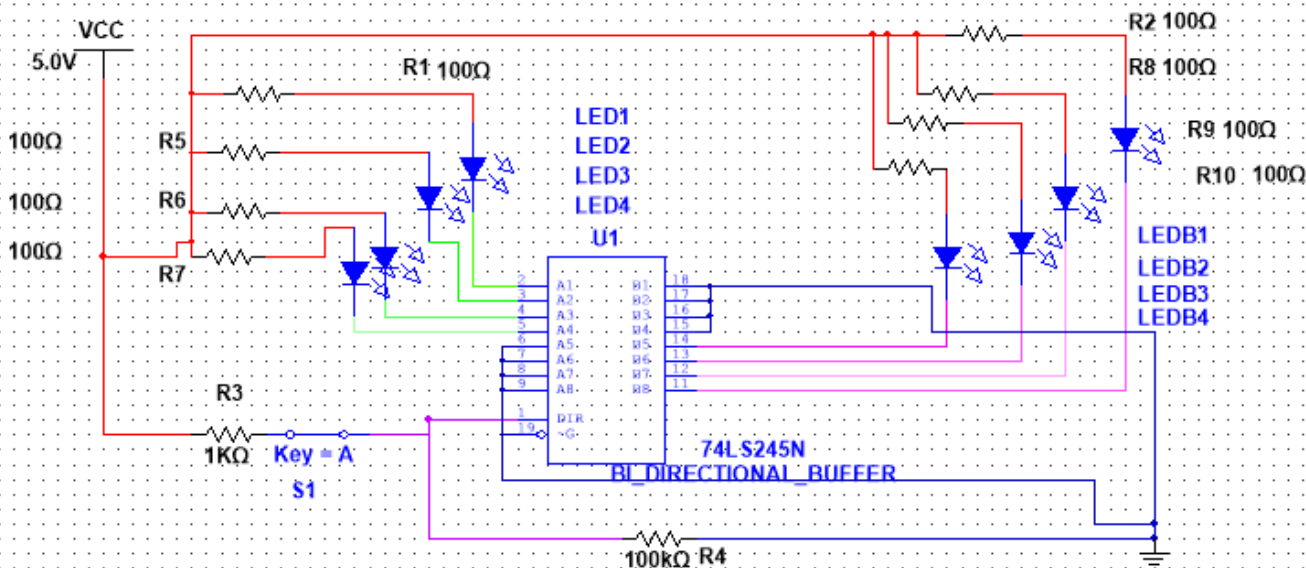




Example-4.12  
Irshad Ahmed  
2837-2023



Example-4.13  
Irshad Ahmed  
2837-2023



BI\_DIRECTIONAL\_BUFFER GATE

Irshad Ahmed  
2837-2023

**THE END**