

**NAME:**

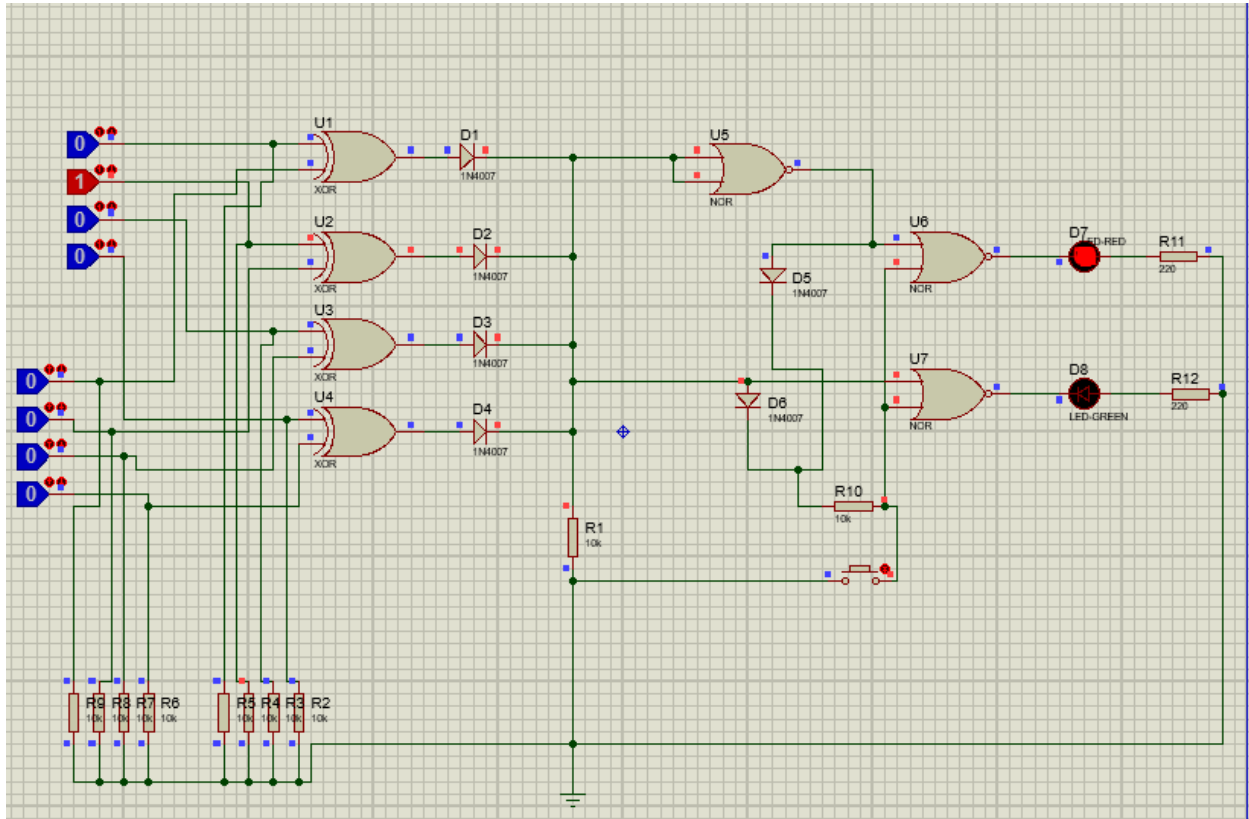
**MEHAK AKHTAR**

**BCS07223021**

## **DLD ASSIGNMENT**

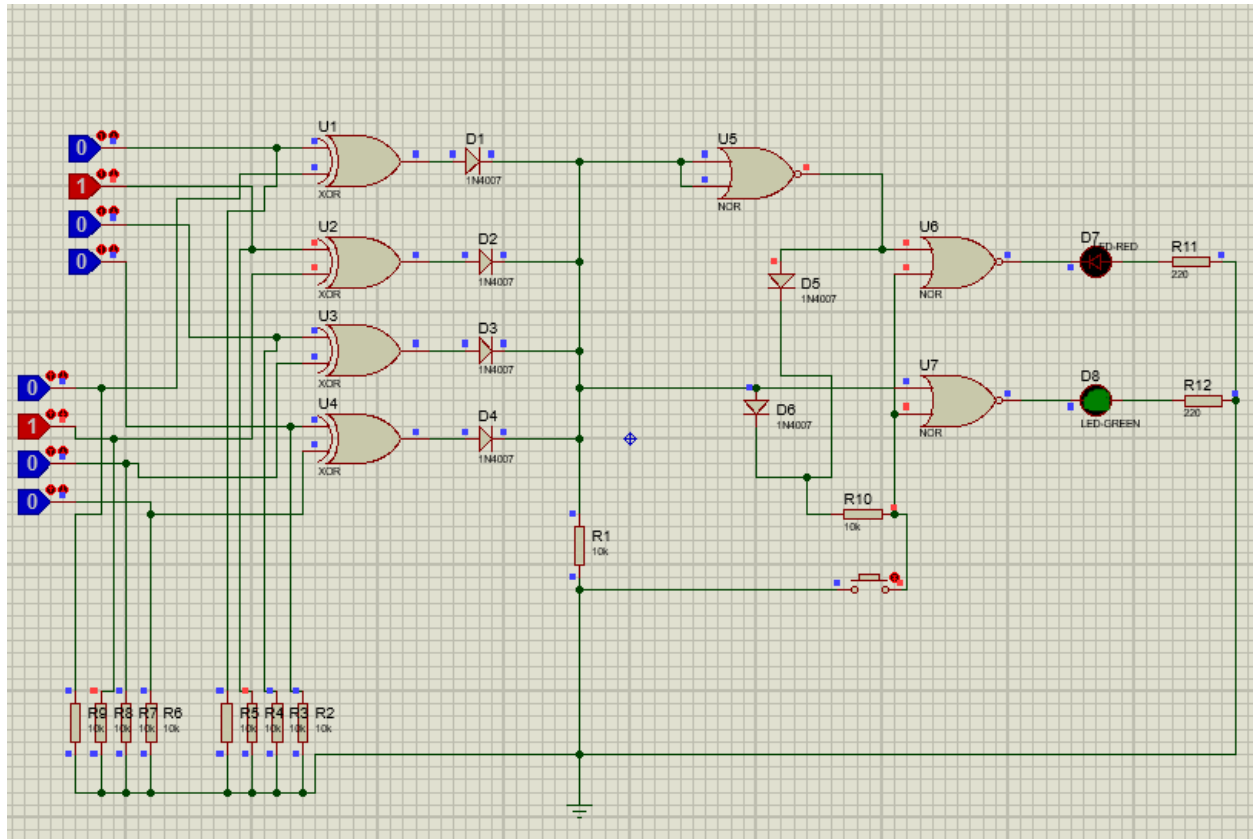
### **LOGICAL LOCK COMBINATIONAL CIRCUITS:**

#### **1. RED LIGHT:**



- IF U TWO INPUTS HIGH(1) THROUGH THE BUTTON PLACED IN THE CIRCUIT, THE LIGHT THAT WILL GLOW IS RED.
- FOR RED LIGHT BOTH PATTERNS ARE DIFFERENT.

#### **2. GREEN LIGHT:**



- IF YOU PUT ONLY ONE INPUT ON HIGH(1) THEN THROUGH THE BUTTON IN THE CIRCUIT , THE LIGHT THAT WILL GLOW IS GREEN.
- FOR GREEN LIGHT PATTERN WILL BE SAME.

#### ● HOW THIS CIRCUIT DIAGRAM IS MADE:

IT CONSIST OF XOR GATE ,NOR GATE, LOGIC STATES, SOME RESISTORS OF 220WATT , DC , RED AND GREEN LED LIGHT, A BUTTON AND A RESISTOR IS THEN GROUNDED.