**HAI NAM NGO**

**STUDENT ID: 103488515**

**LAB01**

**From Q1 to Q7:**

|  |  |  |
| --- | --- | --- |
| Pin1 | Pin2 | Output |
| 0 | 0 | 0 |
| 0 | 1 | 0 |
| 1 | 0 | 1 |
| 1 | 1 | 1 |

A green line with a black outline

Description automatically generated

A drawing of a diagram

Description automatically generated

A green and pink line with a circle and a purple circle

Description automatically generated with medium confidence

A green line with black outline

Description automatically generated

|  |  |
| --- | --- |
| Pin | Output |
| 0 | 1 |
| 1 | 0 |

**From Q8 to Q9:**

A green arrow with black arrows

Description automatically generated

A green arrow with a black circle and a black circle

Description automatically generated

**From Q10 to Q11:**

|  |  |  |
| --- | --- | --- |
| Pin1 | Pin2 | Output |
| 0 | 0 | 0 |
| 0 | 1 | 1 |
| 1 | 0 | 1 |
| 1 | 1 | 0 |

A green and black line

Description automatically generated

A green and black line with a black arrow

Description automatically generated with medium confidence

A green and black line

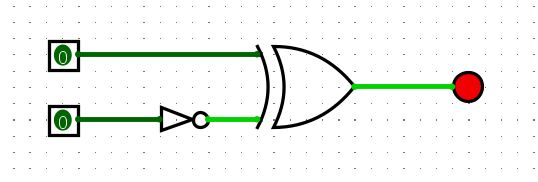
Description automatically generated

A green line with a black triangle

Description automatically generated with medium confidence

**From Q12 to Q14:**

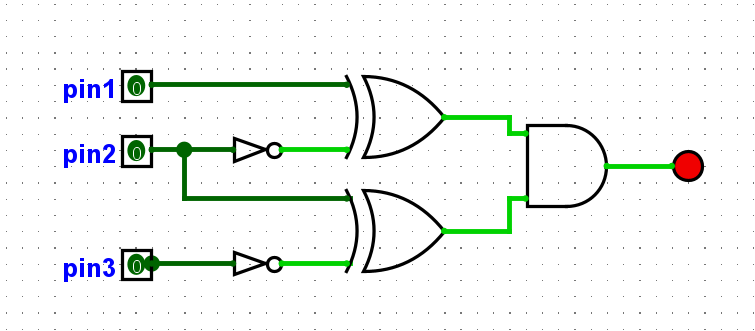
|  |  |  |  |
| --- | --- | --- | --- |
| Pin1 | Pin2 | NOT (Pin2) | Pin1 XOR (NOT Pin2) |
| 0 | 0 | 1 | 0 |
| 0 | 1 | 0 | 1 |
| 1 | 0 | 1 | 1 |
| 1 | 1 | 0 | 0 |



A drawing of a light bulb

Description automatically generated

**Q15:**

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