Northern University Bangladesh



**Lab report:** 01

**Department:** CSE

**Course title:** Digital Electronics & Pulse Technique Lab Work

**Experiment no:** CSE 2366

**Experiment name:** Implement AND, OR and NOT gate in Tinkercad

**Submitted by** **Submitted to**

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Designation: Lecturer

Signature:

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AND gate

Circuit diagram:

P1+

IC

74HC08

S1 S2

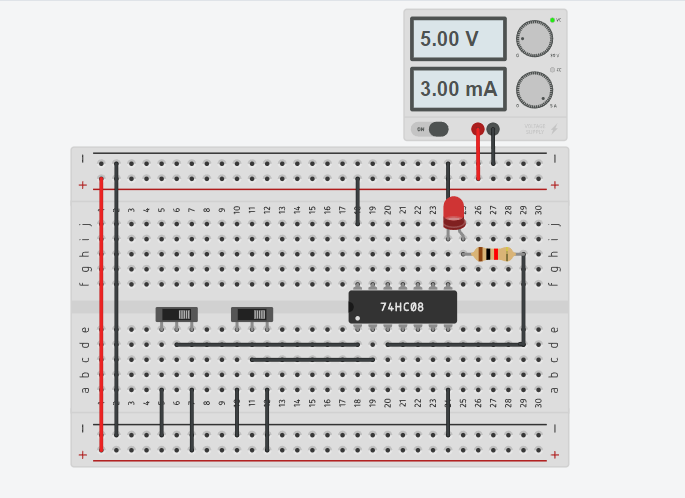
R1

P1

LED1

P1-

Circuit screenshot:



Tinkercad circuit link:

<https://www.tinkercad.com/things/cMO2F16jWek-and-gate-1615?sharecode=Bf7fQX4rZQaGjXvr8GRnfMw_s8wQrqe_v6YBAvTmWXI>

OR gate

Circuit diagram:

P1+

IC

74HC32

S1 S2

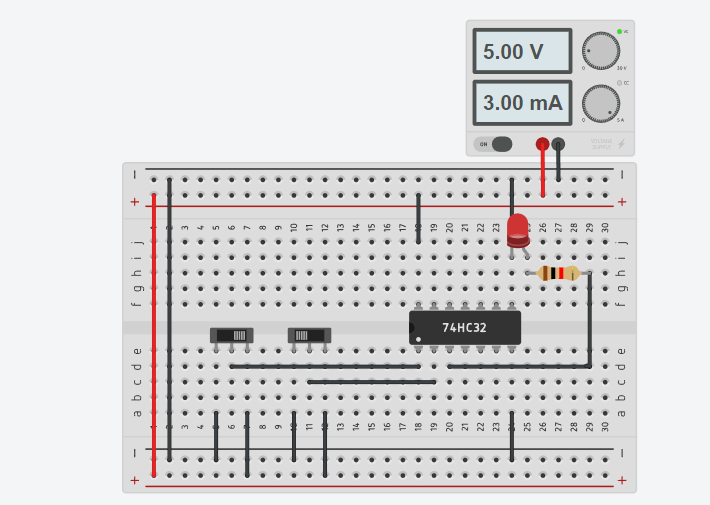
R1

P1

LED1

P1-

Circuit screenshot:



Tinkercad circuit link:

<https://www.tinkercad.com/things/a1XhmYFNm9v-or-gate-1615?sharecode=bGgPStD59hM37zsLt38L_QhhYzmx0WAd3rqrOW3HdYc>

NOT gate

Circuit diagram:

P1+

IC

74HC04

S1 S2

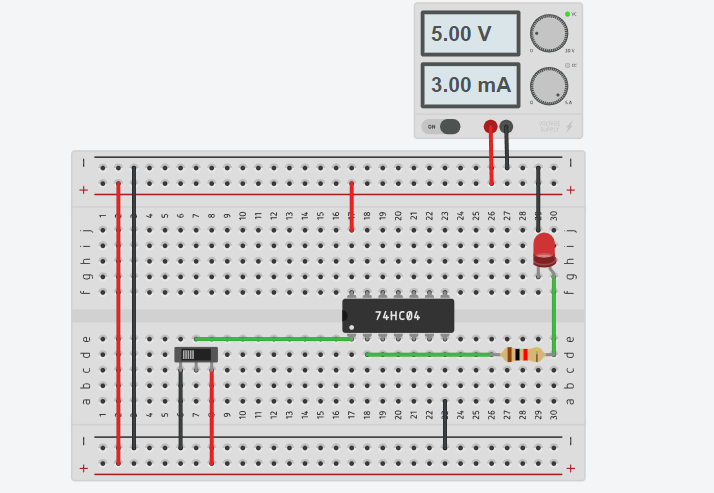
R1

P1

LED1

P1-

Circuit screenshot:



Tinkercad circuit link:

<https://www.tinkercad.com/things/axeoEeOVJ0U-not-gate-1615?sharecode=g2UUwyTXcXgMHfIDZiw1tBMJ43tL_HUvjOVTh8waoYI>