



### Item List

- |                              |                                    |
|------------------------------|------------------------------------|
| 1. Bread Board x1            | 5. LED lights x4                   |
| 2. Battery x1                | 6. Wire cables x4                  |
| 3. Battery wire connector x1 | 7. TradesLink Community Sticker x1 |
| 4. Resistor x1               |                                    |

### Step 1

Connect Battery (#2) to the Battery wire connector (#3)

### Step 2

Connect the connected battery wires to the bread board

- Insert the red wire to the + row on one side of the board
- Insert the black wire to the - row on the opposite side of the board

### Step 3

- Connect one arm of the resistor (#4) to the same row as the red wire which is connected to the bread board
- Connect the other arm of the resistor (#4) to Row I and Column 2

### Step 4

Connect the 1st LED light (#5)

- The + arm on the LED is longer than the - arm for each LED light. This is important to distinguish each arm as we continue throughout the circuit
- Connect the + arm of the LED to H 2 and the - arm to H 5 (it is important that they are in the same H row)

### Step 5

Connect one arm of one wire to I 5

- The wire must be in the same column as the negative arm of the LED to continue the circuit
- Connect other arm of the wire to I 25
- Again, must be in the same row to continue the circuit

### Step 6

Connect the 2nd LED light

- + arm to H 25
- arm to H 28

### Step 7

Connect 2nd wire (#6)

- Connect one side to I 28
- Connect the other to D 28

### Step 8

Connect the 3rd LED light

- + arm to C 28
- arm to C 25

### Step 9

Connect 3rd wire

- Connect one side to D 25
- Connect other side to D 5

### Step 10

Connect last LED light

- Connect + arm to C 5
- Connect - arm to C 2



# TradesLink

## Build your Community with TradesLink

### Step 11

Connect the last wire to complete the circuit

- a. Connect one side to B 2
- b. Connect the other side to anywhere on the - row

### Step 12

You have now completed the circuit and all 4 LED lights will light up

- a. You may notice that as the circuit continues the brightness of the light decreases as the voltage continues throughout the circuit

### Step 13

Add your houses to the LED lights to Build your Community with TradesLink circuit

### Step 14

TradesLink is the community built for the trades. Connect with other tradespeople, learn from experienced trades and find jobs when ready!

# Where the trades get together, online.



## Join Canada's Growing Trade Community

- |                        |                         |
|------------------------|-------------------------|
| Build your Network     | Access Incredible Jobs  |
| Dig into Trades Humour | Get Industry News       |
| Easy Built Resume      | Earn Props on your Work |
| Advacnce your Career   | Improve your Craft      |
| Dig into Trades Humor  | Post your Top Skills    |



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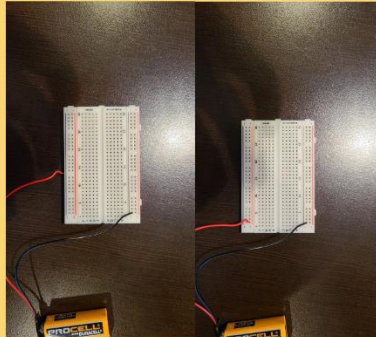
# TradesLink

## Build your Community with TradesLink

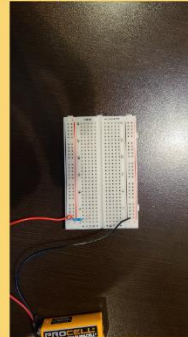
Step 1



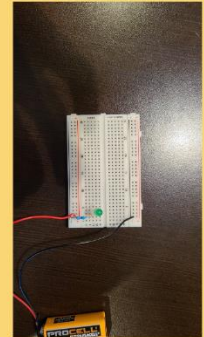
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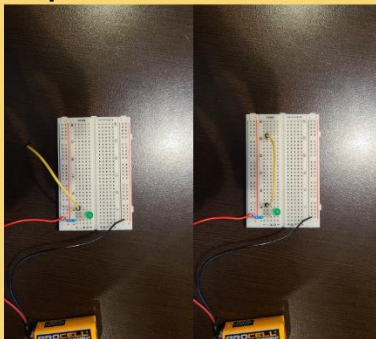
Step 3



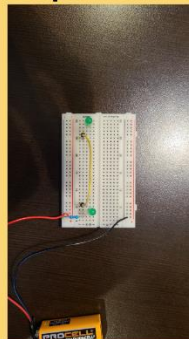
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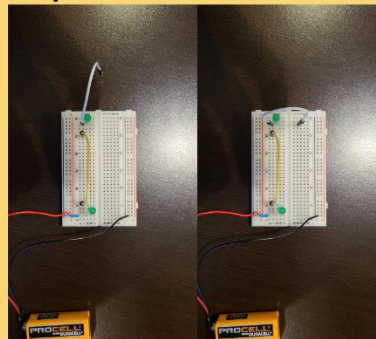
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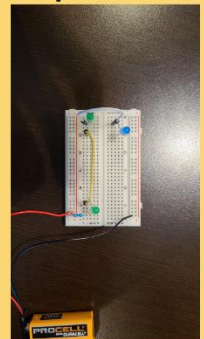
Step 6



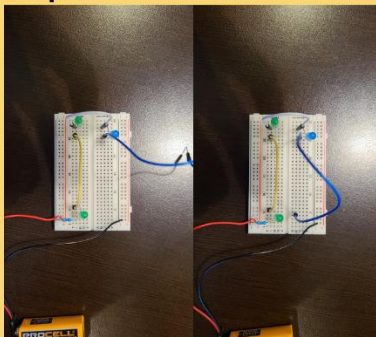
Step 7



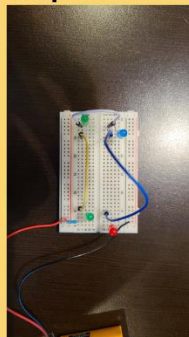
Step 8



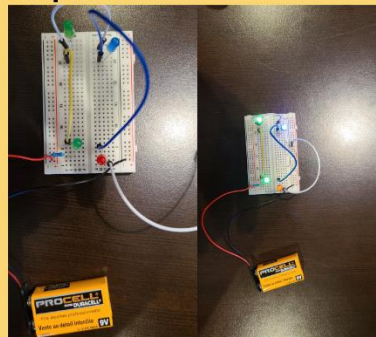
Step 9



Step 10



Step 11/12



Step 13/14

