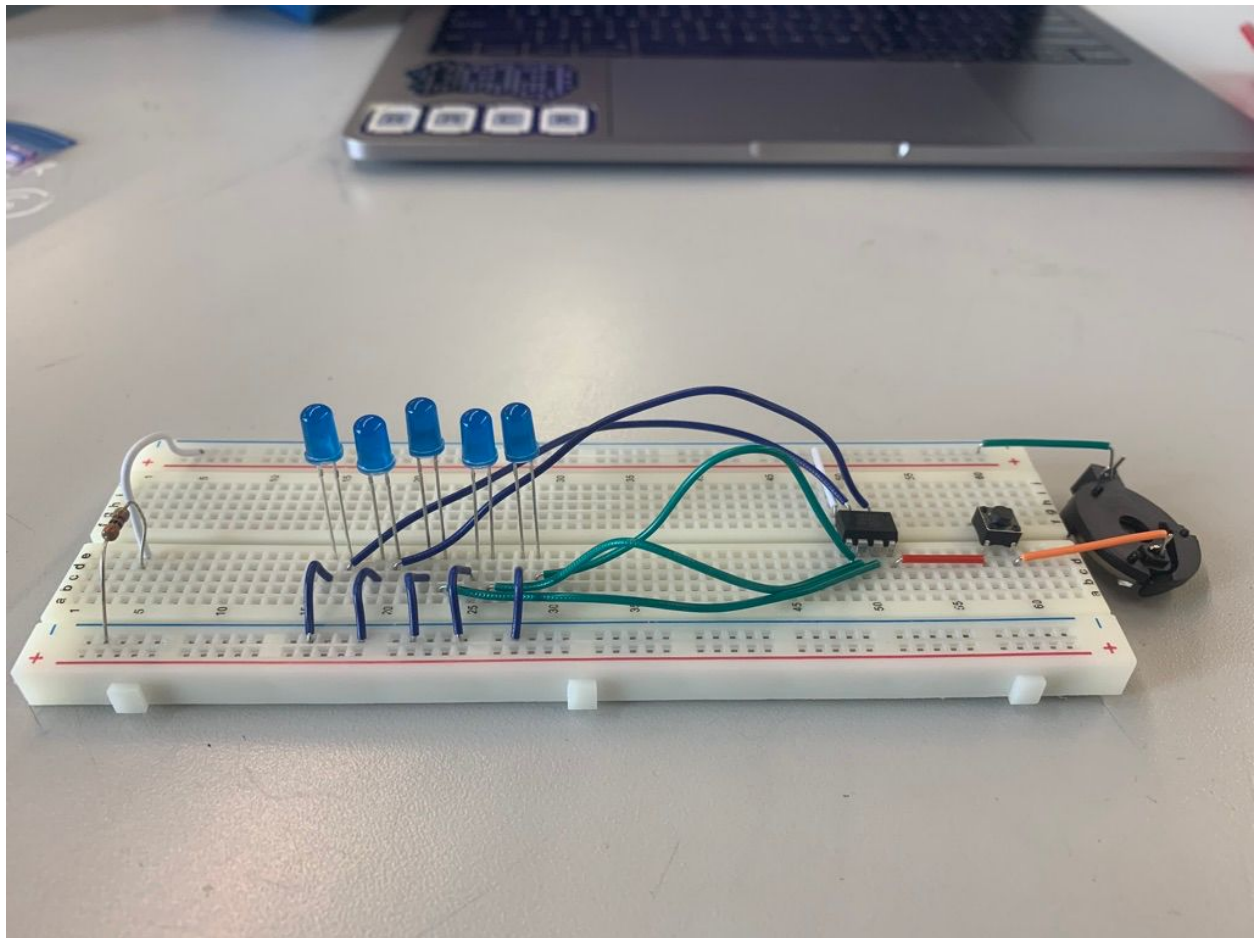


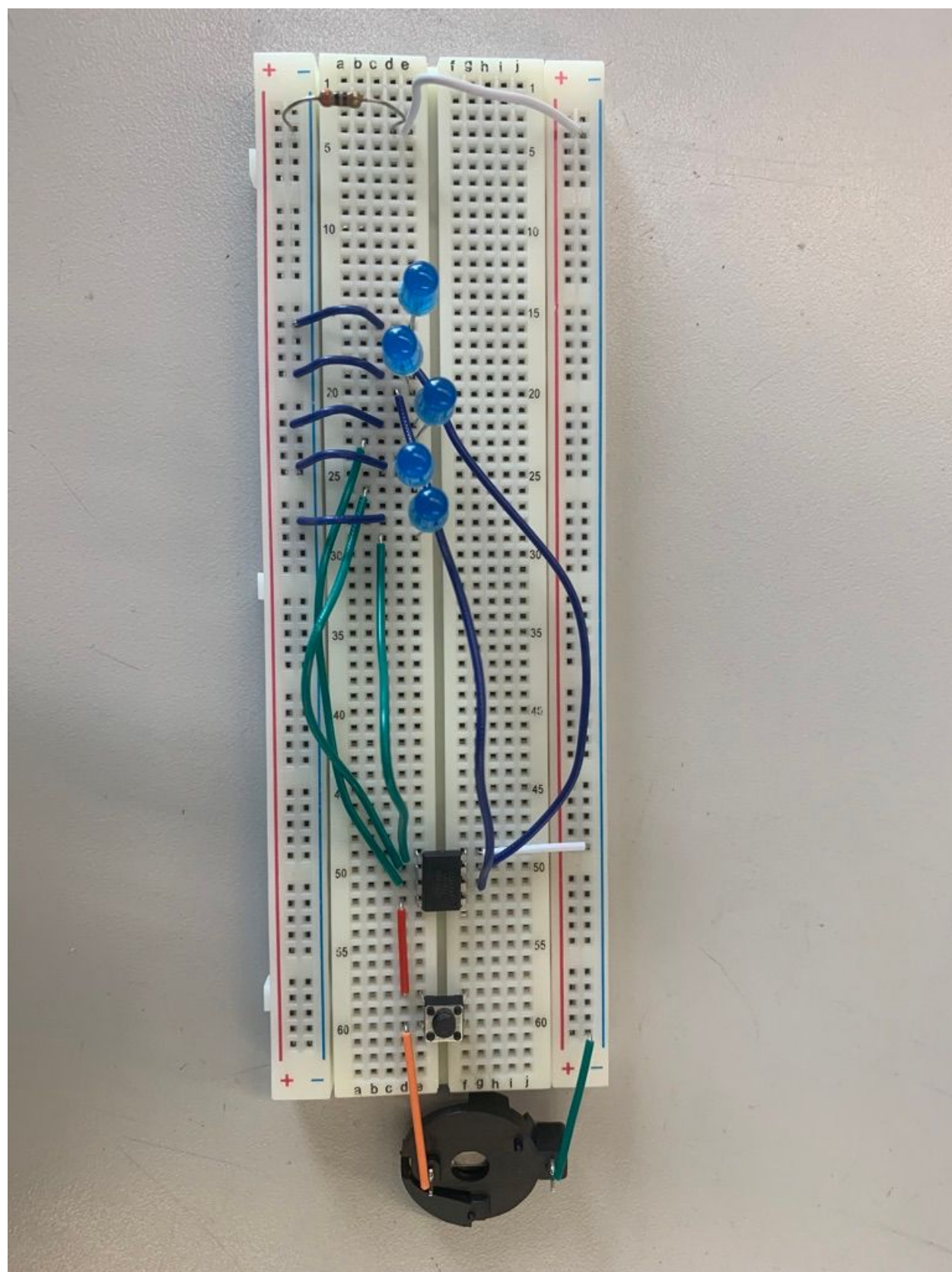
Martin-John Hearty - ID: 40061402
Instructor(s): Elio Bidinost & Sabine Rosenberg
CART 360 - Section AA

Etude 2: Perceptron-P

Part 1:

The circuit diagrams provided were straightforward and it was not too difficult to assemble the circuit using the breadboard.





Part 2:

The only difference between the two circuits is that each LED is connected to a single resistor. The first diagram only used one resistor for all 5 LEDs. The second diagram uses 5 resistors with 5 LEDs. The second circuit has more resistance. As the circuit has more resistance, therefore there is less amperage as the amperage is inversely proportional to the resistance. The power supply is still the same so the voltage 3 volts. This would mean that the second circuit would produce a dimmer result as there is more resistance in the circuit:

<https://youtu.be/a0cuvToTREY>

