

Embedded Systems

Proof of Concept

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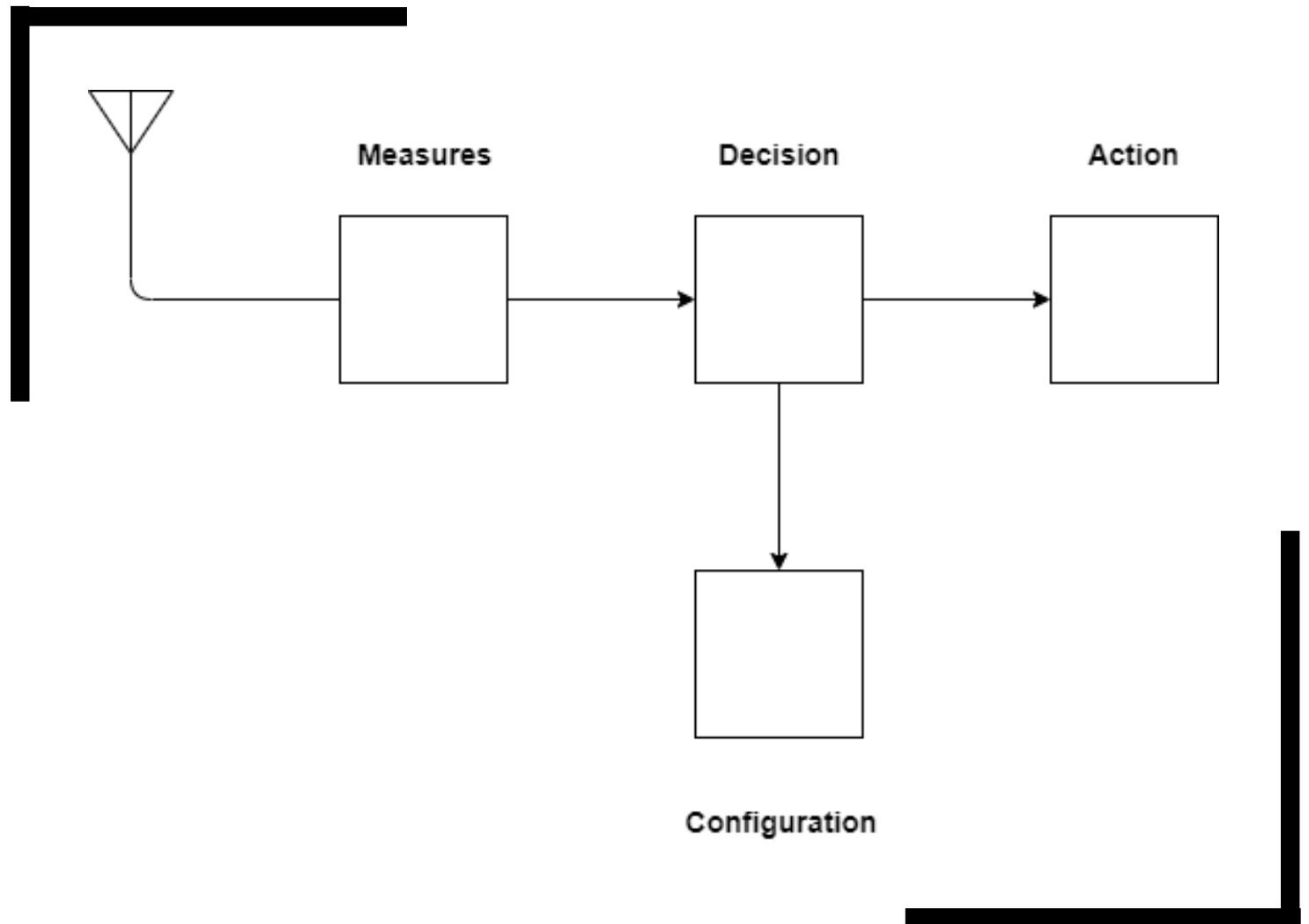
NE1 A4

Concept





Design of the system

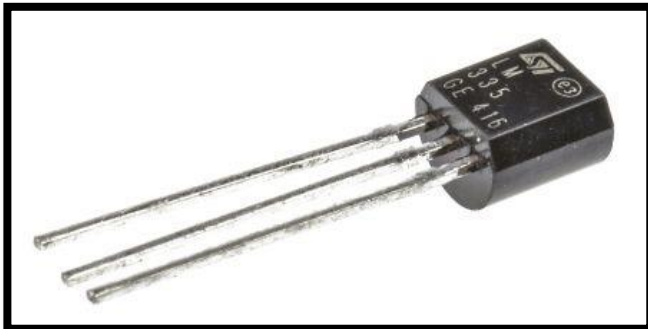


Material

Gaz Sensor (MQ-7)



**Temperature Sensor
(TMP36GZ)**

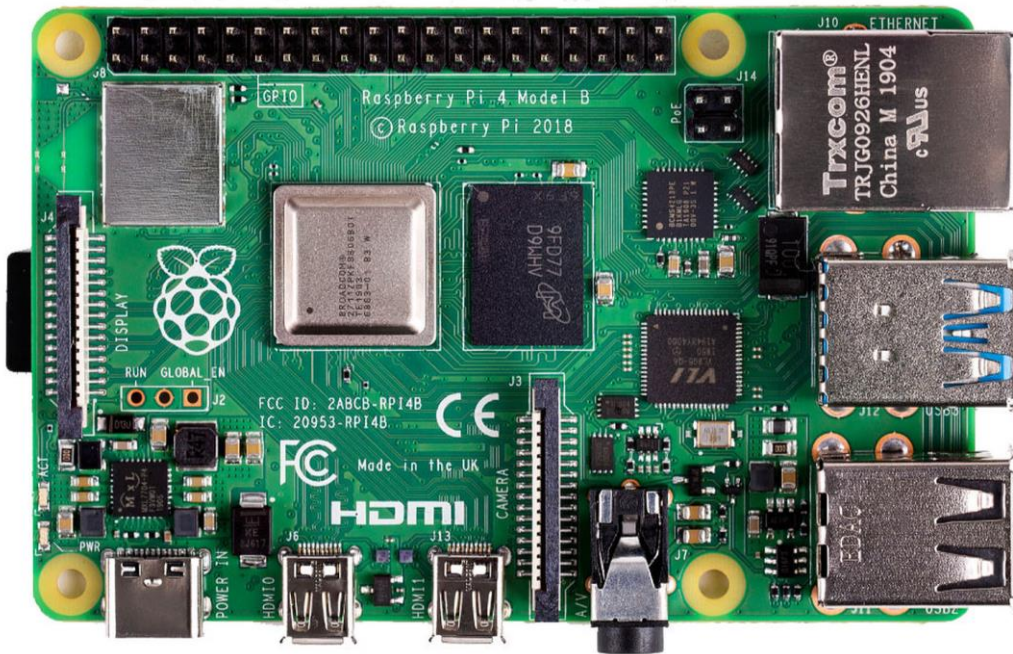


Arduino

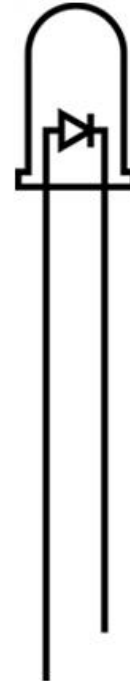


Material

Raspberry PI

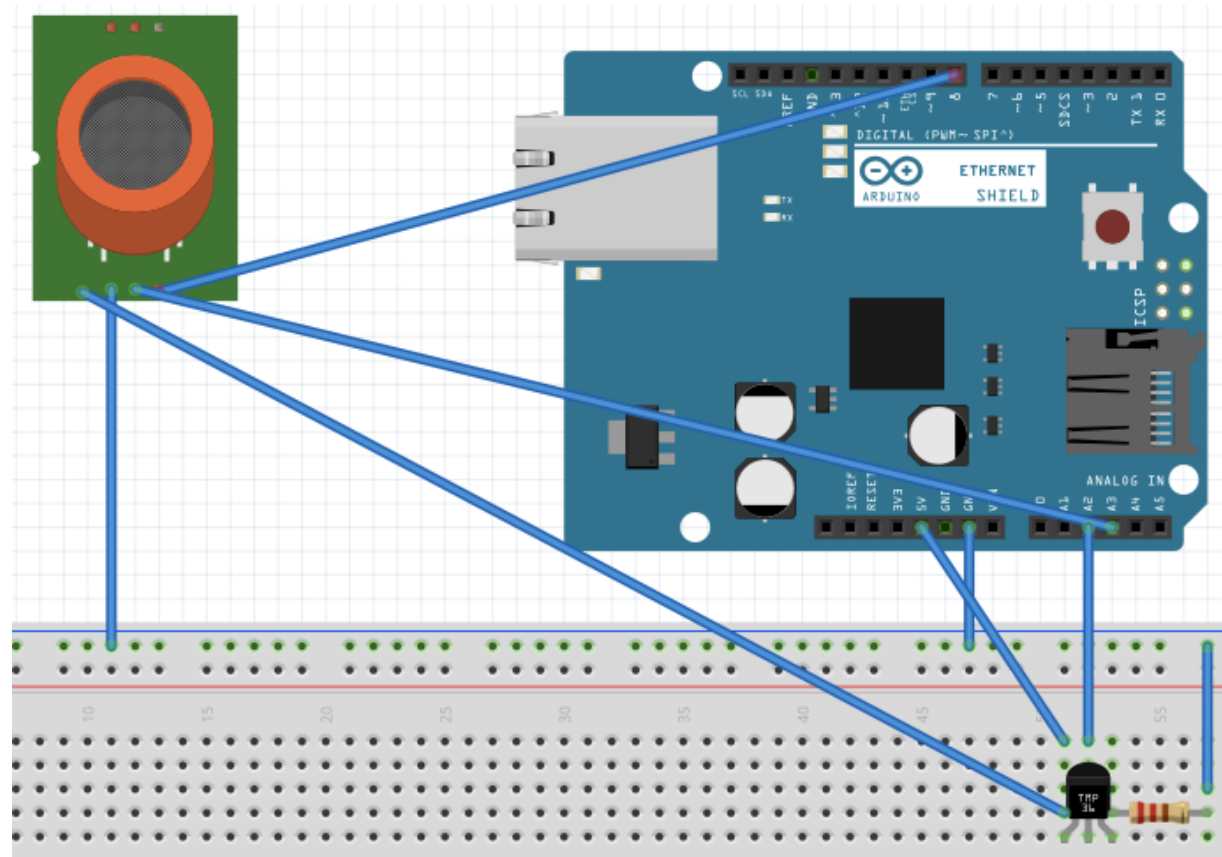


Led/servo (Hitec HS-422)



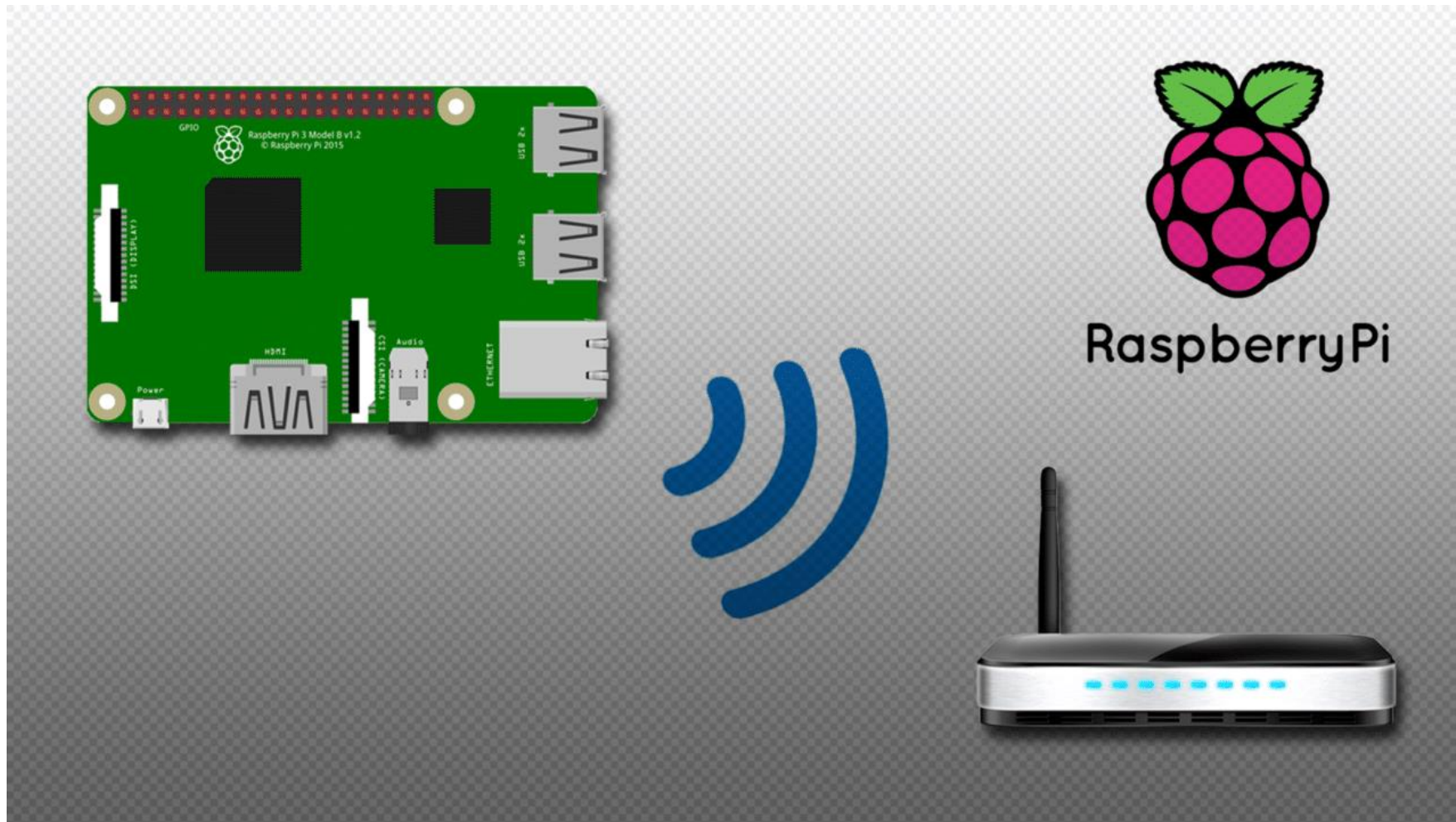
Mounting

Connection of the smoke sensor and the temperature sensor to the Arduino



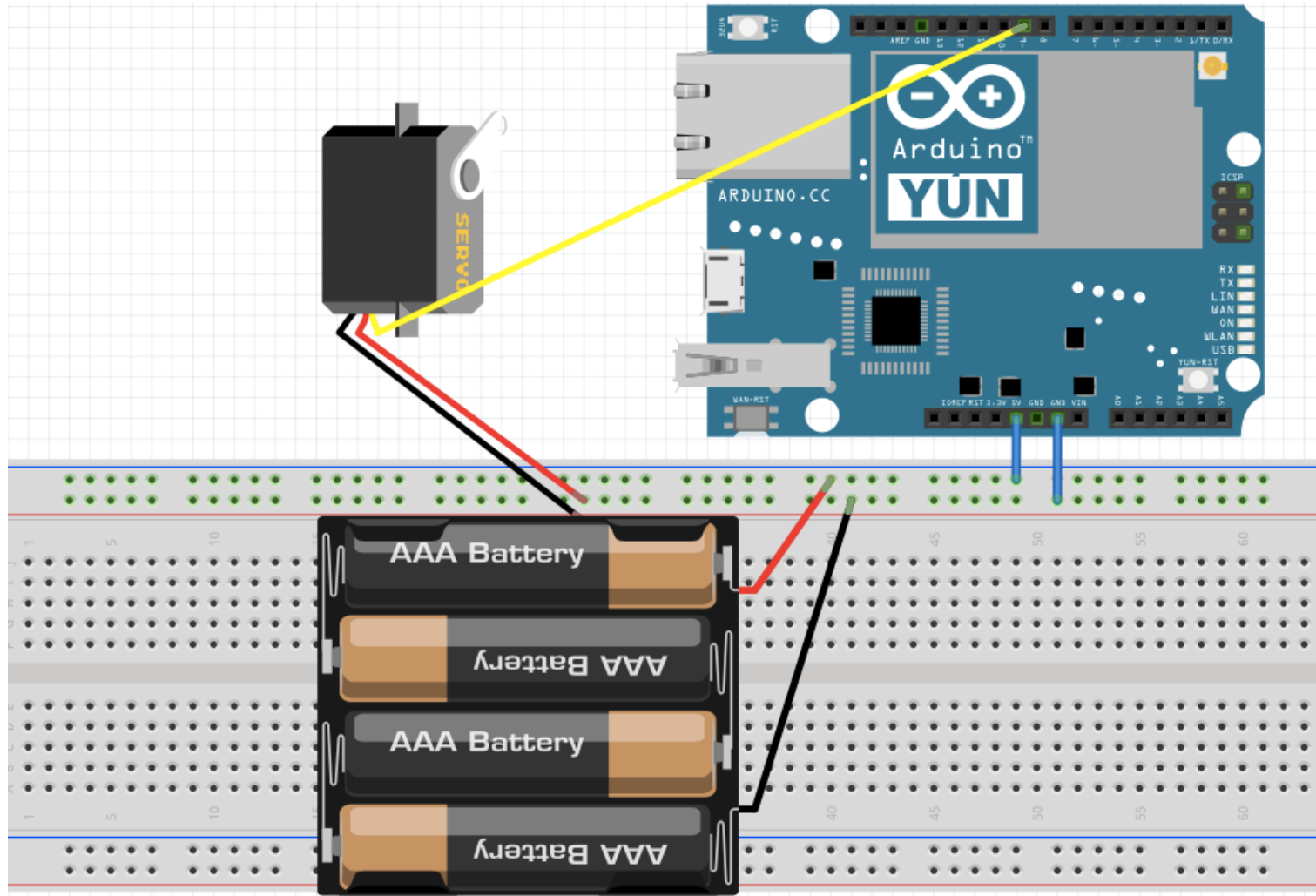
Wi-Fi connection

Connection between Arduino and Raspberry PI by Wi-Fi



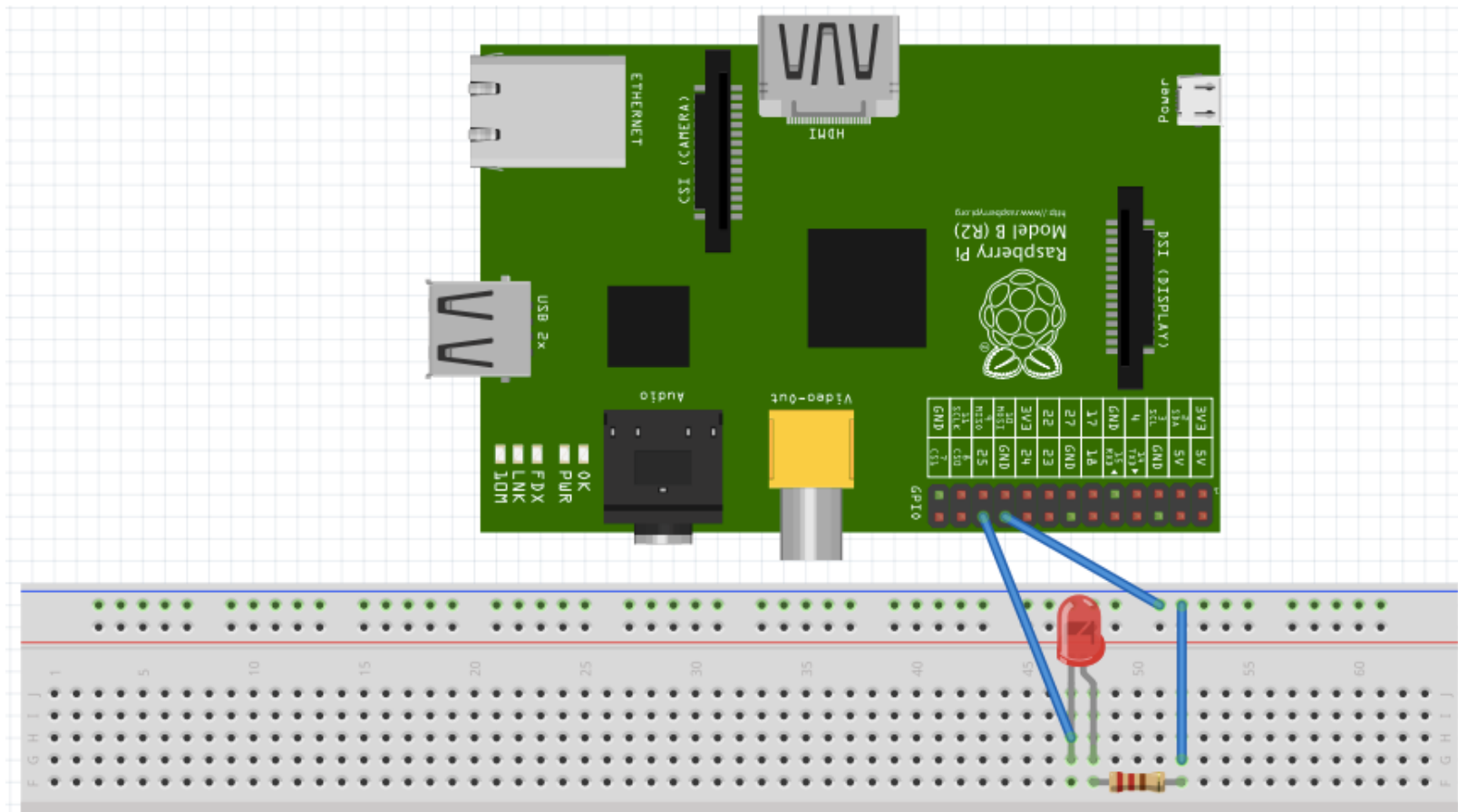
Mounting

Connection of the servo with the power supply and the Arduino



Mounting

Connection of the LED to the Raspberry PI (open the window when switched on)



Conclusion

Questions are welcome

