Henallux

Kitronik green house

configurer "LED et ZipLed-Water Pump-Prong..."

first step

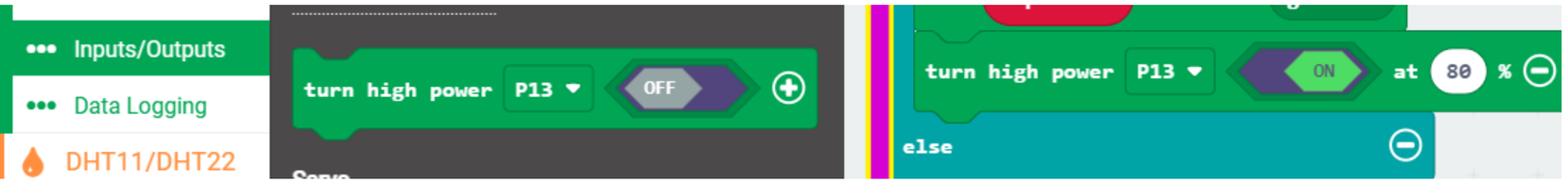
ISMAIL Alan

connecter

WHATER PUMP

VCC VCC (5V) +

GND GND –



*vous devez être sûr de connecter VCC avec 5V

*si vous modifiez un port PIN, vous devez modifier le code

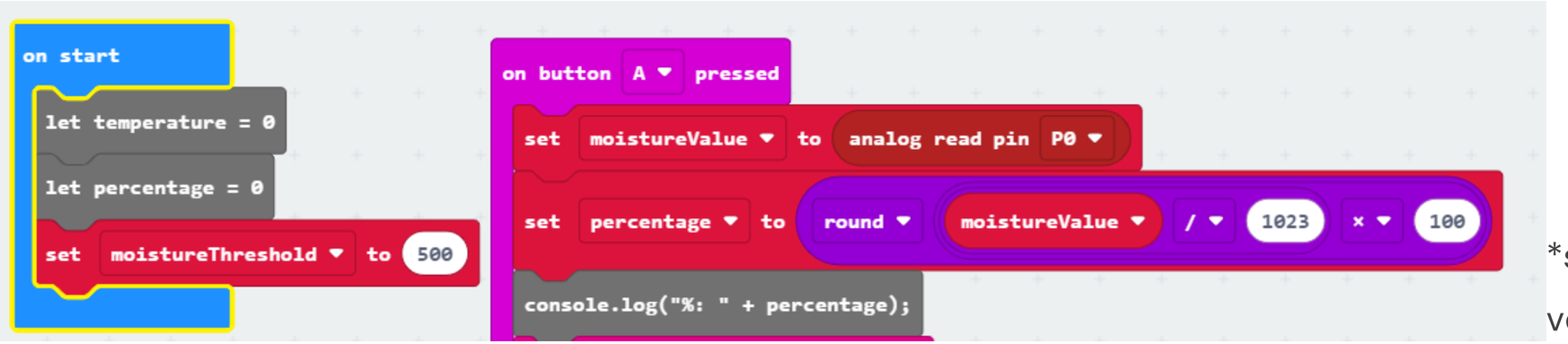
connecter

Prong

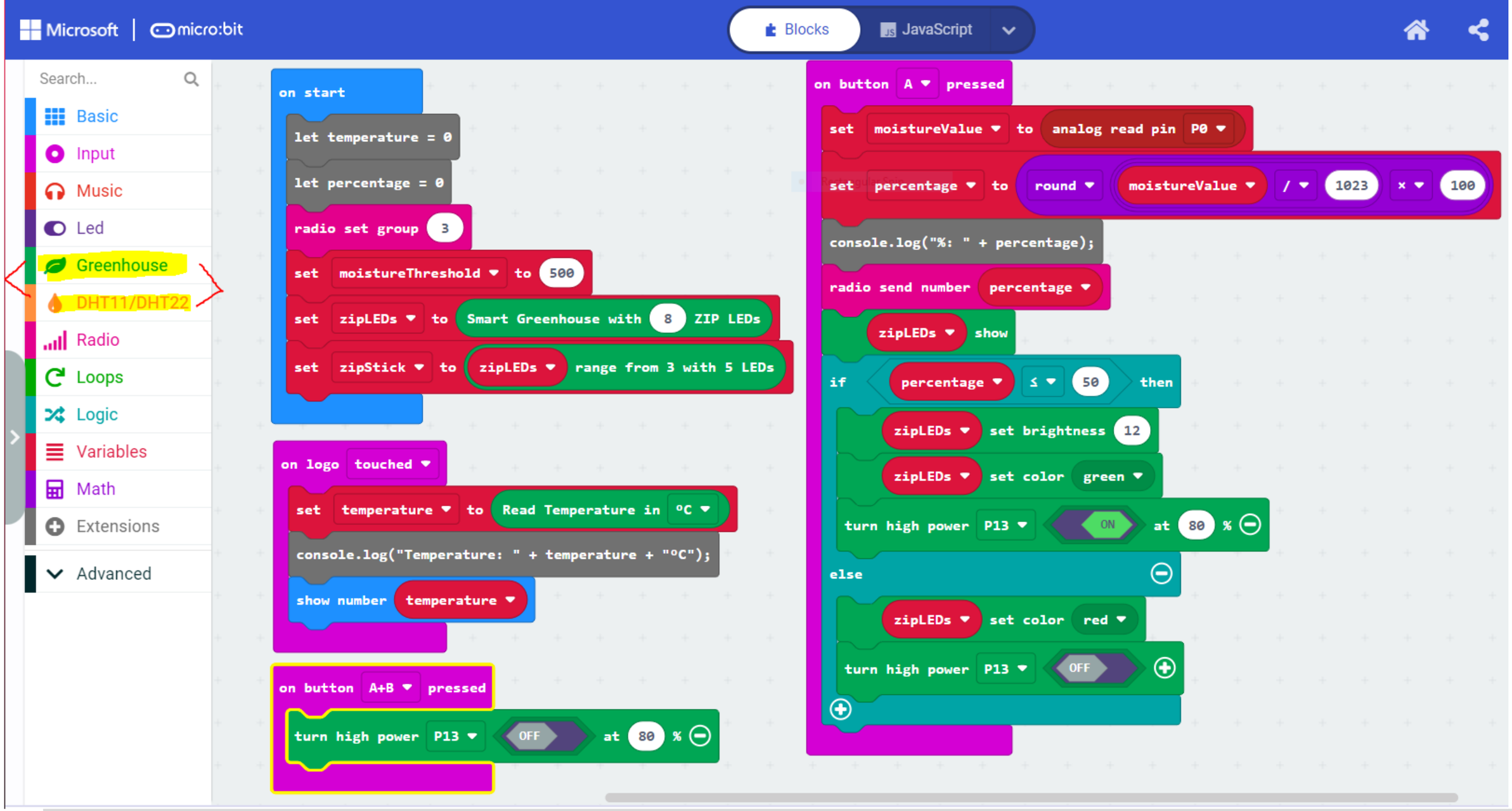
VCC VCC (3V)

0 Pin 0

GND GND



*si vous modifiez un port PIN, vous devez modifier le code



Code

télécharger l'extension Greenhouse

```
input.onButtonPressed(Button.A, function () {
    moistureValue = pins.analogReadPin(AnalogPin.P0)
    percentage = Math.round(moistureValue / 1023 * 100)
    console.log("%: " + percentage);
radio.sendNumber(percentage)
    zipLEDs.show()
    if (percentage <= 50) {
        zipLEDs.setBrightness(12)
        zipLEDs.setColor(kitronik_smart_greenhouse.colors(ZipLedColors.Green))
        kitronik_smart_greenhouse.controlHighPowerPin(kitronik_smart_greenhouse.HighPowerPins.pin13, kitronik_smart_greenhouse.onOff(true), 80)
    } else {
        zipLEDs.setColor(kitronik_smart_greenhouse.colors(ZipLedColors.Red))
        kitronik_smart_greenhouse.controlHighPowerPin(kitronik_smart_greenhouse.HighPowerPins.pin13, kitronik_smart_greenhouse.onOff(false))
    }
})
input.onButtonPressed(Button.AB, function () {
    kitronik_smart_greenhouse.controlHighPowerPin(kitronik_smart_greenhouse.HighPowerPins.pin13, kitronik_smart_greenhouse.onOff(false), 80)
})
input.onLogoEvent(TouchButtonEvent.Touched, function () {
    temperature = kitronik_smart_greenhouse.temperature(TemperatureUnitList.C)
    console.log("Temperature: " + temperature + "°C");
basic.showNumber(temperature)
})
let moistureValue = 0
let zipLEDs: kitronik_smart_greenhouse.greenhouseZIPLEDs = null
let temperature = 0
let percentage = 0
zipLEDs = kitronik_smart_greenhouse.createGreenhouseZIPDisplay(8)
let zipStick = zipLEDs.zipStickRange()
radio.setGroup(3)
let moistureThreshold = 500
```

Code JS

télécharger l'extension Greenhouse

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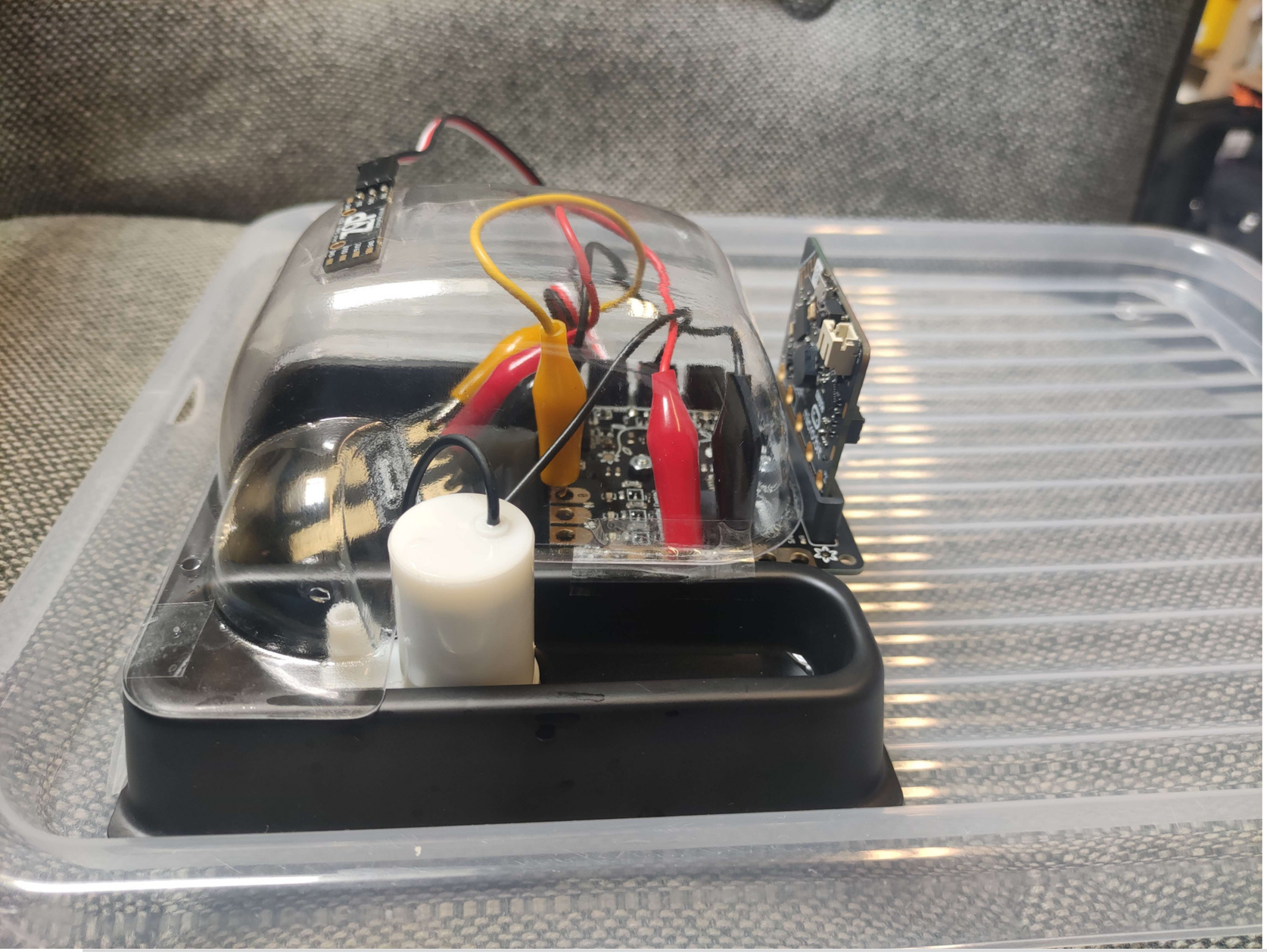

* il y a beaucoup de façons pour le code Prong
*si vous téléchargez Radio, vous devez supprimer Bluetooth
* ça ne marchera pas si les trois piles ne sont pas à l'intérieur du Kitronik
*Les LED sont au nombre de 8 (5 sur ZipLed et 3 sur la carte Micro:Bit)

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