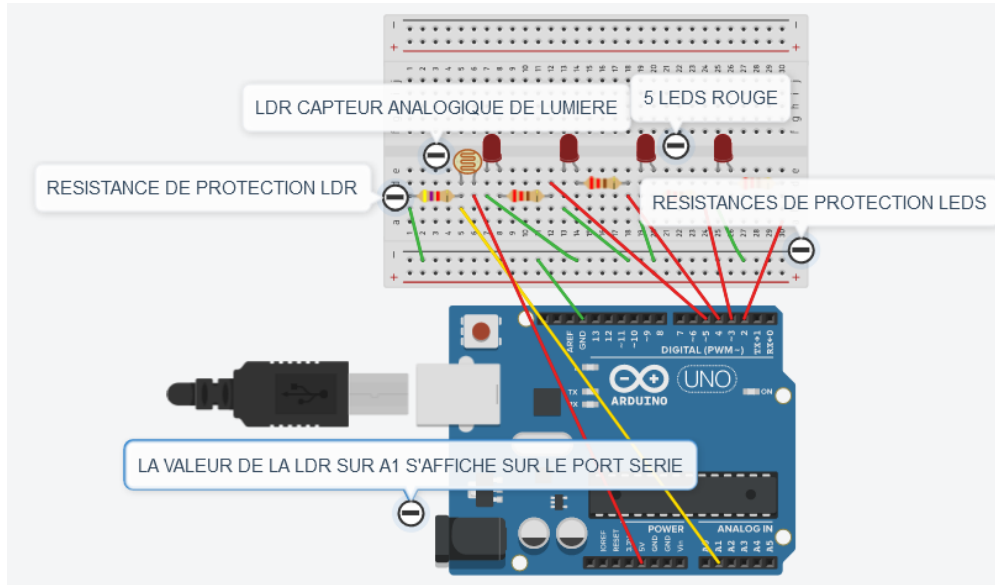
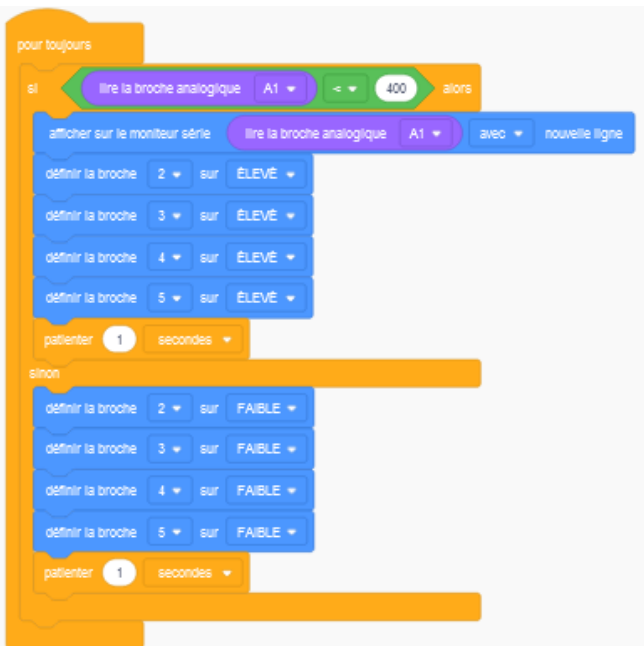


TP 2 - LRD ET 5 LEDS : Programmer un éclairage automatique



<https://www.tinkercad.com/things/2RhwrAvgz76-tp-2-ldr-avec-5-leds-perennes-philippe>

| Nom | Quantité | Composant |
|----------------------|----------|-------------------|
| U1 | 1 | Arduino Uno R3 |
| R1 R2 R3 R4 | 4 | 220 Ω Résistance |
| D1 D2 D3 D4 | 4 | Rouge LED |
| R5 | 1 | Photorésistance |
| R6 | 1 | 4.7 kΩ Résistance |



```
// C++ code
//
void setup()
{
  pinMode(A1, INPUT);
  Serial.begin(9600);
  pinMode(2, OUTPUT);
  pinMode(3, OUTPUT);
  pinMode(4, OUTPUT);
  pinMode(5, OUTPUT);
}

void loop()
{
  if (analogRead(A1) < 400) {
    Serial.println(analogRead(A1));
    digitalWrite(2, HIGH);
    digitalWrite(3, HIGH);
    digitalWrite(4, HIGH);
    digitalWrite(5, HIGH);
    delay(1000); // Wait for 1000 millisecond(s)
  } else {
    digitalWrite(2, LOW);
    digitalWrite(3, LOW);
    digitalWrite(4, LOW);
    digitalWrite(5, LOW);
    delay(1000); // Wait for 1000 millisecond(s)
  }
}
}
```