

```

                                prog arduino.txt
//***** Affectation noms des Pins
const byte cn1 = 4;
const byte cn2 = 3;
const byte cn3 = 2;
const byte cn4 = 1;

const byte  cn0_R = 13;
const byte  cn0_J = 12;
const byte  cn0_V = 11;

const byte  cn1_R = 10;
const byte  cn1_J = 9;
const byte  cn1_V = 8;

const byte  cn2_R = 7;
const byte  cn2_J = 6;
const byte  cn2_V = 5;

void setup()
{
  //***** Affectation Pins en entrée et en sortie
  pinMode(cn1, INPUT);
  pinMode(cn2, INPUT);
  pinMode(cn3, INPUT);
  pinMode(cn3, INPUT);

  pinMode(cn0_R, OUTPUT);
  pinMode(cn1_R, OUTPUT);
  pinMode(cn2_R, OUTPUT);
  pinMode(cn0_J, OUTPUT);
  pinMode(cn1_J, OUTPUT);
  pinMode(cn2_J, OUTPUT);
  pinMode(cn0_V, OUTPUT);
  pinMode(cn1_V, OUTPUT);
  pinMode(cn2_V, OUTPUT);
}

void loop()
{
  //***** LEDS ROUGES
  if (digitalRead(cn1) == HIGH) {
    digitalWrite(cn0_R, HIGH);
  }
  else
  {
    digitalWrite(cn0_R, LOW);
  }

  if (digitalRead(cn2) == HIGH) {
    digitalWrite(cn1_R, HIGH);
  }
  else
  {
    digitalWrite(cn1_R, LOW);
  }

  if (digitalRead(cn3) == HIGH) {
    digitalWrite(cn2_R, HIGH);
  }
  else
  {
    digitalWrite(cn2_R, LOW);
  }

  //***** LEDS JAUNES
  if ((digitalRead(cn1) == LOW)&&(digitalRead(cn2)== HIGH)){
    digitalWrite(cn0_J, HIGH);
  }
}

```

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else
{
    digitalWrite(cn0_J, LOW);
}

if ((digitalRead(cn2) == LOW)&&(digitalRead(cn3)== HIGH)){
    digitalWrite(cn1_J, HIGH);
}
else
{
    digitalWrite(cn1_J, LOW);
}

if ((digitalRead(cn3) == LOW)&&(digitalRead(cn4)== HIGH)){
    digitalWrite(cn2_J, HIGH);
}
else
{
    digitalWrite(cn2_J, LOW);
}

//***** LEDS VERTES
if ((digitalRead(cn1) == LOW)&&(digitalRead(cn2)== LOW)){
    digitalWrite(cn0_V, HIGH);
}
else
{
    digitalWrite(cn0_V, LOW);
}

if ((digitalRead(cn2) == LOW)&&(digitalRead(cn3)== LOW)){
    digitalWrite(cn1_V, HIGH);
}
else
{
    digitalWrite(cn1_V, LOW);
}

if ((digitalRead(cn3) == LOW)&&(digitalRead(cn4)== LOW)){
    digitalWrite(cn2_V, HIGH);
}
else
{
    digitalWrite(cn2_V, LOW);
}
}
```