

# Bouton poussoir en interrupteur sans clignotement



## Code Arduino

### BPsansClig.ino

```
const int Led1= 2;
const int Bp1  =3;
int MemLed1 =0;
int MemBp1  =0;
int tempo  =50;

void DebugVar(int nb) {
  Serial.print("temps = ");Serial.println(nb);
  Serial.print("Bp1 =");Serial.println(digitalRead(Bp1));
  Serial.print("MemBp1 =");Serial.println(MemBp1);
  Serial.print("MemLed1 =");Serial.println(MemLed1);
  delay(250);
}

void setup()
{
  Serial.begin(9600);
  pinMode(Led1, OUTPUT);
```

```
pinMode(Bp1, INPUT);
digitalWrite(Led1, LOW);
//DebugVar(10);

}

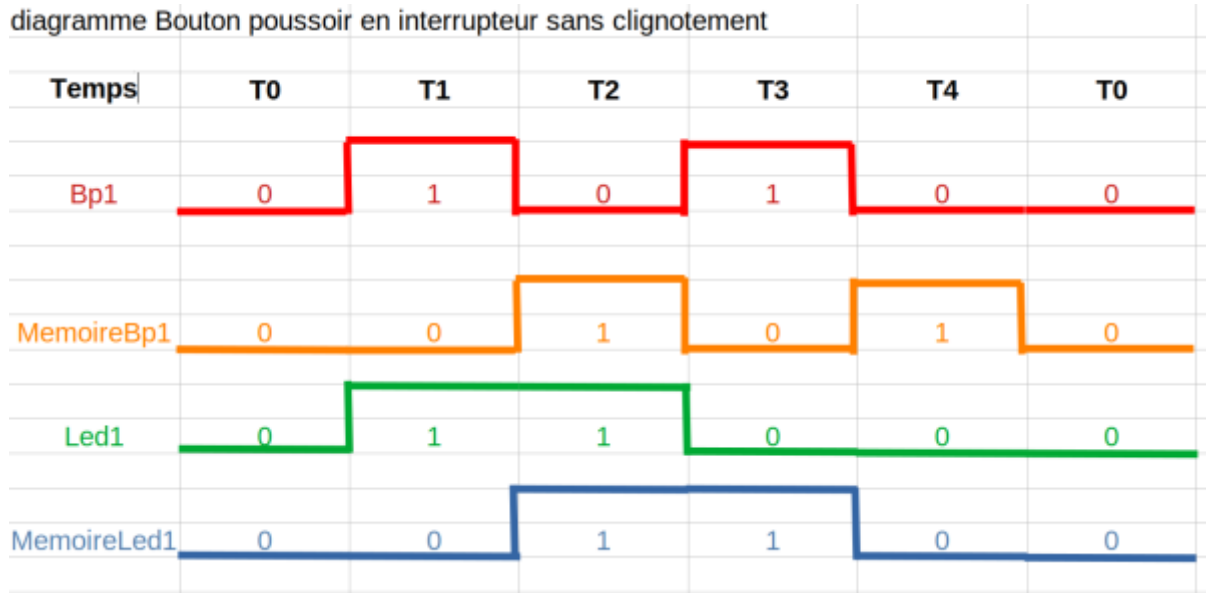
void loop() {

    int valeurBp1 = digitalRead(Bp1); // On lit la valeur de Bp1 au début
    // de la boucle
    delay(tempo);

    //Temps 0
    if (valeurBp1 == 0 && MemBp1 == 0 && MemLed1 == 0) { // etat present
        digitalWrite(Led1, LOW); MemBp1 = 0; MemLed1 = 0; // Etat futur
        //delay(tempo); DebugVar(0);
    }
    //Temps 1
    if (valeurBp1 == 1 && MemBp1 == 0 && MemLed1 == 0) {
        digitalWrite(Led1, HIGH); MemBp1 = 1; MemLed1 = 1;
        //delay(tempo); DebugVar(1);
    }
    //Temps 2
    if (valeurBp1 == 0 && MemBp1 == 1 && MemLed1 == 1) {
        digitalWrite(Led1, HIGH); MemBp1 = 0; MemLed1 = 1;
        //delay(tempo); DebugVar(2);
    }
    //Temps 3
    if (valeurBp1 == 1 && MemBp1 == 0 && MemLed1 == 1) {
        digitalWrite(Led1, LOW); MemBp1 = 1; MemLed1 = 0;
        //delay(tempo); DebugVar(3);
    }
    //Temps 4
    if (valeurBp1 == 0 && MemBp1 == 1 && MemLed1 == 0) {
        digitalWrite(Led1, LOW); MemBp1 = 0; MemLed1 = 0;
        //delay(tempo); DebugVar(4);
    }
}
```

## Diagramme BP sans clignotement

diagramme Bouton poussoir en interrupteur sans clignotement



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