関数化させると簡単にプログラムを書くことができる。

```
#define PWML 9
#define PWMR 5
#define MOTERL 8
#define MOTERR 4

void setup() {
  pinMode(MOTERL, OUTPUT);
  pinMode(MOTERR, OUTPUT);
  //pinMode(dirbutton, INPUT_PULLUP);
}

void Moter(byte a, byte b, int c, boolean d, boolean e ) {
  byte pwml = a;
  byte pwmr = b;
  int Time = c;
  boolean moterl = d;
  boolean moterr = e;
  analogWrite(PWML, pwml);
  digitalWrite(MOTERL, moterl);
  analogWrite(PWMR, pwmr);
  digitalWrite(MOTERR, moterr);
  delay(Time);
}

void loop() {
  Moter(255, 255, 2000, HIGH, HIGH);
  Moter(255, 255, 2000, LOW, LOW);
}
```

改良版

```
#define PWML 9
#define PWMR 5
#define MOTORL 8
#define MOTORR 4

void setup() {
  pinMode(MOTORL, OUTPUT);
  pinMode(MOTORR, OUTPUT);
  //pinMode(dirbutton, INPUT_PULLUP);
}

void Motor(byte pwml, byte pwmr, int timer, boolean motorl, boolean motorr ) {
  analogWrite(PWML, pwml);
  digitalWrite(MOTORL, motorl);
  analogWrite(PWMR, pwmr);
  digitalWrite(MOTORR, motorr);
  delay(timer);
}

void loop() {
  Motor(255, 255, 2000, HIGH, HIGH);
  Motor(255, 255, 2000, LOW, LOW);
}
```