



This project will turn on and off the motor/LED forty times a second. (40hz) The motor will be slowed (LED dimmed), depending on how much "ontime" each pulse has compared to the "offtime".

This is called Pulse Width Modulation or PWM.

```

setup
  int = variable Blue
  int = value 4
  int = variable Fwd
  int = value 8
  int = variable Rev
  int = value 9
  int = variable Pot
  int = value A0

loop
  int = variable potValue
  int = value analogRead() # Pot
  int = variable potValue
  int = value potValue ÷ 40

program
  int = variable onTime
  int = value potValue
  int = variable offTime
  int = value 25 - onTime
  digitalWrite() # Blue HIGH
  digitalWrite() # Fwd HIGH
  delay ms milliseconds onTime
  digitalWrite() # Blue LOW
  digitalWrite() # Fwd LOW
  delay ms milliseconds offTime
  
```

