



This program uses the pot to control the speed of the motor both forwards and backwards.



```

    setup
    int = variable red
        value 7
    int = variable blue
        value 8
    int = variable pot
        value A2
    int = variable fwd
        value 9
    int = variable rev
        value 10
    digitalWrite() # fwd
        LOW
    digitalWrite() # rev
        LOW

    loop
    int = variable potValue
        value analogRead() # pot
    int = variable potValue
        value potValue ÷ 16

    test
    and
    potValue > 25
    potValue < 38
    if
    then
    AllOff

    test
    potValue >= 38
    then
    int = variable onTime
        value potValue - 38
    if
    int = variable offTime
        value 25 - onTime
    Forward

    test
    potValue <= 25
    then
    int = variable onTime
        value 25 - potValue
    if
    int = variable offTime
        value 25 - onTime
    Reverse
    
```

```

    Commands
    digitalWrite() # fwd
        LOW
    digitalWrite() # red
        LOW
    digitalWrite() # rev
        LOW
    digitalWrite() # blue
        LOW
    AllOff

    Commands
    digitalWrite() # fwd
        HIGH
    digitalWrite() # red
        HIGH
    delay ms milliseconds onTime
    digitalWrite() # fwd
        LOW
    digitalWrite() # red
        LOW
    delay ms milliseconds offTime
    Forward

    Commands
    digitalWrite() # rev
        HIGH
    digitalWrite() # blue
        HIGH
    delay ms milliseconds onTime
    digitalWrite() # rev
        LOW
    digitalWrite() # blue
        LOW
    delay ms milliseconds offTime
    Reverse
    
```