



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

```

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

    loop
    int = variable potValue
    int = value analogRead() # pot
    int = variable potValue
    int = value potValue ÷ 16
    test and potValue > 25
    test and potValue < 38
    if then AllOff
    test potValue >= 38
    then
    int = variable onTime
    int = value potValue - 38
    if
    int = variable offTime
    int = value 25 - onTime
    Forward
    test potValue <= 25
    then
    int = variable onTime
    int = value 25 - potValue
    if
    int = variable offTime
    int = value 25 - onTime
    Reverse

    Commands
    AllOff
    digitalWrite() # fwd
    digitalWrite() # red
    digitalWrite() # rev
    digitalWrite() # blue
    digitalWrite() # fwd
    digitalWrite() # red
    digitalWrite() # rev
    digitalWrite() # blue
    delay ms milliseconds onTime
    digitalWrite() # fwd
    digitalWrite() # red
    digitalWrite() # rev
    digitalWrite() # blue
    delay ms milliseconds offTime
    digitalWrite() # rev
    digitalWrite() # blue
    digitalWrite() # fwd
    digitalWrite() # blue
    delay ms milliseconds onTime
    digitalWrite() # rev
    digitalWrite() # blue
    digitalWrite() # fwd
    digitalWrite() # blue
    delay ms milliseconds offTime
    
```