Controlling the 360 servo

```
# Set the continuous servo to different speeds depending on the analog input from the
potentiometer.
begin
  3968 0 341 servo_range   # Set servo to reverse at 3968 for the first third of the potentiometer
range
  8000 682 1023 servo_range  # Set servo to forward at 8000 for the last third of the
potentiometer range
  6000 342 681 servo_range  # Set servo to stop at 6000 for the middle third of the
potentiometer range
repeat

# usage: <pos> <low> <high> servo_range
# If the pot is in the range specified by low and high,
# keeps servo 0 at pos until the pot moves out of this
# range, with hysteresis.
sub servo_range
  pot 2 pick less_than logical_not    # >= low
  pot 2 pick greater_than logical_not # <= high
  logical_and
  if
    begin
      pot 2 pick 10 minus less_than logical_not   # >= low - 10
      pot 2 pick 10 plus greater_than logical_not # <= high + 10
      logical_and
    while
      2 pick 0 servo
    repeat
  endif
  drop drop drop
  return

sub pot
  1 get_position  # Assuming the potentiometer is connected to channel 0
  Return
```

Controlling the 270 servo

```
# Set the continuous servo to rotate within the 0-270 degree range based on the analog input from the potentiometer.
begin
  3968 0 341 servo_range   # Set servo to rotate counterclockwise
  8000 682 1023 servo_range  # Set servo to rotate clockwise
  5940 342 681 servo_range  # Set servo to stop at the middle position (135 degrees)
repeat

# usage: <pos> <low> <high> servo_range
# If the pot is in the range specified by low and high,
# keeps servo 0 at pos until the pot moves out of this
# range, with hysteresis.
sub servo_range
  pot 2 pick less_than logical_not    # >= low
  pot 2 pick greater_than logical_not # <= high
  logical_and
  if
    begin
      pot 2 pick 10 minus less_than logical_not   # >= low - 10
      pot 2 pick 10 plus greater_than logical_not # <= high + 10
      logical_and
    while
      2 pick 0 servo
    repeat
  endif
  drop drop drop
  return

sub pot
  1 get_position  # Assuming the potentiometer is connected to channel 0
  return
```

Code that i have written but has not worked


```
# Set the continuous servo to rotate within the 0-270 degree range based on the analog input from the potentiometer.
begin
  3968 0 341 servo_range   # Set servo to rotate counterclockwise
  8000 682 1023 servo_range  # Set servo to rotate clockwise
  5940 342 681 servo_range  # Set servo to stop at the middle position (135 degrees)
repeat

# usage: <pos> <low> <high> servo_range
# If the pot is in the range specified by low and high,
```

```
# keeps servo 0 at pos until the pot moves out of this
# range, with hysteresis.
sub servo_range
  pot 2 pick less_than logical_not    # >= low
  pot 2 pick greater_than logical_not # <= high
  logical_and
  if
    begin
      pot 2 pick 10 minus less_than logical_not   # >= low - 10
      pot 2 pick 10 plus greater_than logical_not # <= high + 10
      logical_and
    while
      2 pick 0 servo
    repeat
  endif
  drop drop drop
  return

sub pot
  1 get_position  # Assuming the potentiometer is connected to channel 0
  return
```