

Start

Initialize:
LDR East = A0 (Analogue pin)
LDR West = A1 (Analogue pin)
Servo motor = 9 (Digital pin)
Initialize Variables:
Servo = VedantServo
Tolerance = tolerance
East LDR value = East Value
West LDR value = West Value
Difference = East Value - West Value
Servo Pos = Servo Position

Read:
A0 = LDR East
A1 = LDR West

If
LDR East > LDR West

YES

Absolute less than or
equal to 20 degrees
and servo position is
more than 20 and less
than 145

YES

NO

Increase the
servo pos by 1

YES

NO

If
LDR East > LDR West

YES

Absolute less than or
equal to 20 degrees
and servo position is
more than 20 and less
than 145

YES

NO

Increase the
servo pos by 1

YES

NO