**Code:**

int neg = 0;

int pos = 0;

void setup()

{

pinMode(A3, INPUT);

pinMode(A2, INPUT);

pinMode(5, OUTPUT);

pinMode(2, OUTPUT);

}

void loop()

{

neg = analogRead(A3);

pos = analogRead(A2);

if (pos > neg) {

digitalWrite(5, HIGH);

digitalWrite(2, LOW);

} else {

digitalWrite(5, LOW);

digitalWrite(2, HIGH);

}

delay(10); // Delay a little bit to improve simulation performance

}

**Circuit:**

