```
#include <Servo.h>

Servo myservo1;
Servo myservo2;

int pattern = 0;
unsigned long cnt = 0;
int timekeep = 50;

void setup() {
  Serial.begin(9600);
  pinMode(12, INPUT);
  myservo1.attach(6);
  myservo2.attach(5);
}

int angle() {
  int angle;
  angle = analogRead(A0);
  angle = map(angle, 0, 1023, 0, 180);
  angle = constrain(angle, 0, 180);
  return angle;
}

void servo1set() {
  int servoangle;
  servoangle = angle();
  myservo1.write(servoangle);
  Serial.print(servoangle);
  Serial.print(" ");
}

void servo2set() {
  int servoangle;
  servoangle = angle();
  myservo2.write(servoangle);
  Serial.print(servoangle);
  Serial.print(" ");
}

void servoset() {
```

```
  switch (pattern) {
    case 0:
      if (digitalRead(12) == HIGH && cnt >= timekeep) {
        cnt = 0;
        pattern = 1;
      }
      break;

    case 1:
      servo1set();
      if (digitalRead(12) == HIGH && cnt >= timekeep) {
        cnt = 0;
        pattern = 2;
      }
      break;

    case 2:
      servo2set();
      if (digitalRead(12) == HIGH && cnt >= timekeep) {
        cnt = 0;
        pattern = 0;
      }
      break;
  }
  cnt++;
  Serial.print(cnt);
  Serial.print(" ");
  Serial.println(pattern);
}

void loop() {
  servoset();
}
```