```cpp
#include <Servo.h>

const int buttonUp = 2;
const int buttonDown = 3;
Servo myServo;

int pos = 0;

void setup() {
  pinMode(buttonUp, INPUT_PULLUP);
  pinMode(buttonDown, INPUT_PULLUP);
  myServo.attach(9);
  myServo.write(pos);
}

void loop() {
  bool upPressed = (digitalRead(buttonUp) == LOW);
  bool downPressed = (digitalRead(buttonDown) == LOW);

  if (upPressed && pos < 180) {
    pos += 5;
    myServo.write(pos);
    delay(50);
  }

  if (downPressed && pos > 0) {
    pos -= 5;
    myServo.write(pos);
    delay(50);
  }
}
```