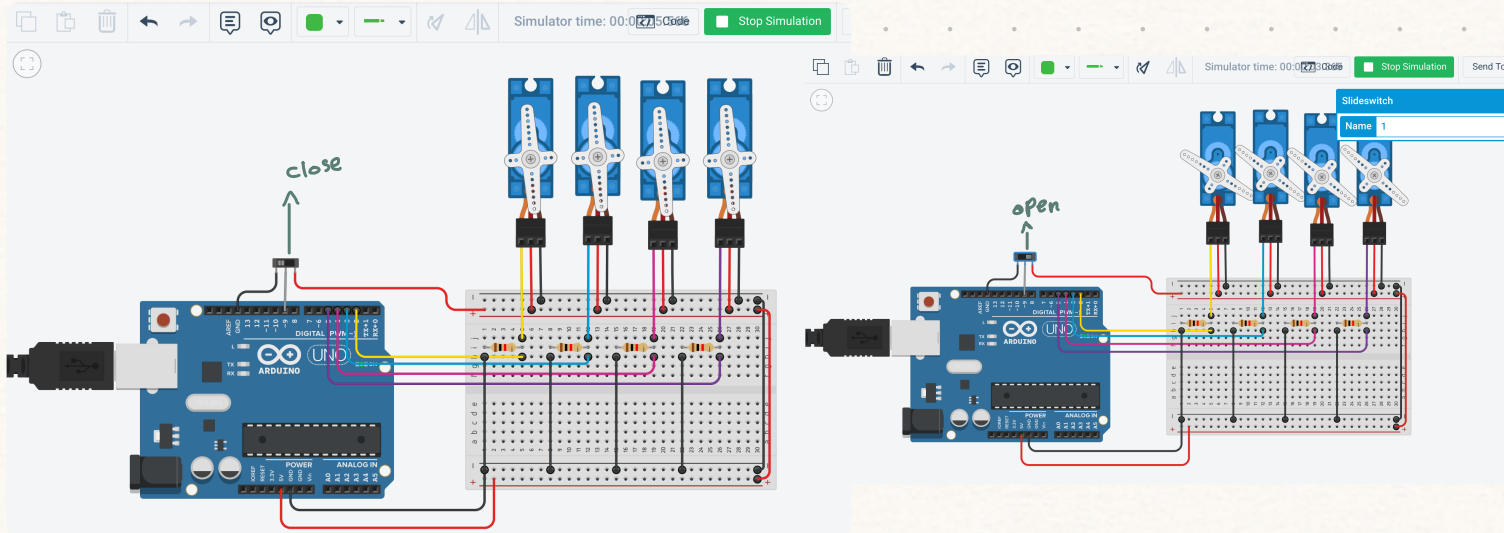# Task4

My Circuit:

Code:

```cpp
1   #include <Servo.h>
2   Servo servo;
3   Servo servo1;
4   Servo servo2;
5   Servo servo3;
6   int b=0;
7
8   void setup()
9   {
10    servo.attach(2);
11    servo1.attach(3);
12    servo2.attach(4);
13    servo3.attach(5);
14    pinMode(9, INPUT);
15  }
16
17  void loop()
18  {
19      if (digitalRead(9) == 1)
20      {
21        for (b=0; b <= 180; b += 1)
22        {
23          servo.write(b);
24          servo1.write(b);
25          servo2.write(b);
26          servo3.write(b);
27        }
28      }
29    else
30    {
31          servo.write(0);
32          servo1.write(0);
33          servo2.write(0);
34          servo3.write(0);
35    }
36  }
```