

diagram.json

main.py

Library Manager

```
1 from machine import Pin
2 from time import sleep
3
4 pins = [
5     Pin(2,Pin.OUT), #A
6     Pin(3,Pin.OUT), #B
7     Pin(4,Pin.OUT), #C
8     Pin(5,Pin.OUT), #D
9     Pin(6,Pin.OUT), #E
10    Pin(8,Pin.OUT), #F
11    Pin(7,Pin.OUT), #G
12    Pin(8,Pin.OUT), #DP
13 ]
14 digits = [
15     [0,0,0,0,0,1,1], #0
16     [1,0,0,1,1,1,1], #1
17     [0,0,1,0,0,1,0,1], #2
18     [0,0,0,0,1,1,0,1], #3
19     [1,0,0,1,1,0,0,1], #4
20     [0,1,0,0,1,0,0,1], #5
21     [0,1,0,0,0,0,0,1], #6
22     [0,0,0,1,1,1,1,1], #7
23     [0,0,0,0,0,0,0,1], #8
24     [0,0,0,1,1,0,0,1], #9
25 ]
26 def reset():
27     for pin in pins:
28         pin.value(1)
29
30 reset()
31 button = machine.Pin(10,machine.Pin.IN,machine.Pin.PULL_UP)
32
33
34 while True:
35     on = button.value()
36     if on != True:
37         for i in range(len(digits)):
38             for j in range(len(pins)-1):
39                 pins[j].value(digits[i][j])
40             sleep(1)
```

Simulation

