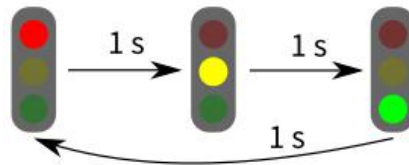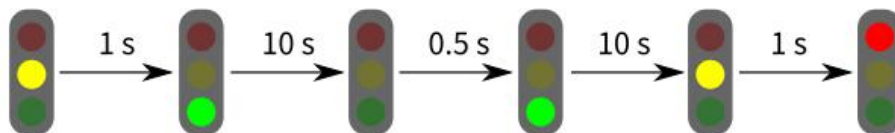# Shell Kit Exercises

1. Flow water effect with traffic light module

2. Add feature: flash light indication 10s before light changes (flash for 0.5s)

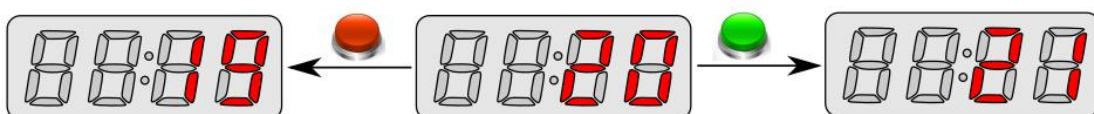## 3. Detect how many times the button is pressed, beep every 5 times.

4. Beep the number sequence:

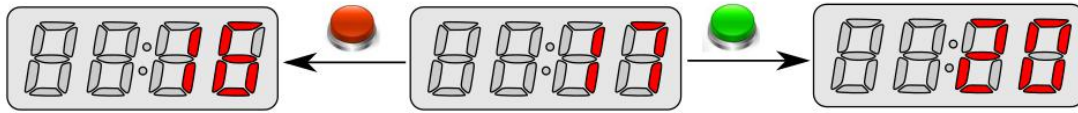Odd numbers: 1,3,5,7,9,11,13,15,17...
Even numbers: 2,4,6,8,10,12,14,16,18...
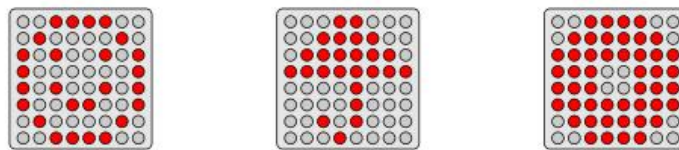Fibonacci numbers: 1,1,2,3,5,8,13,21,34,55...

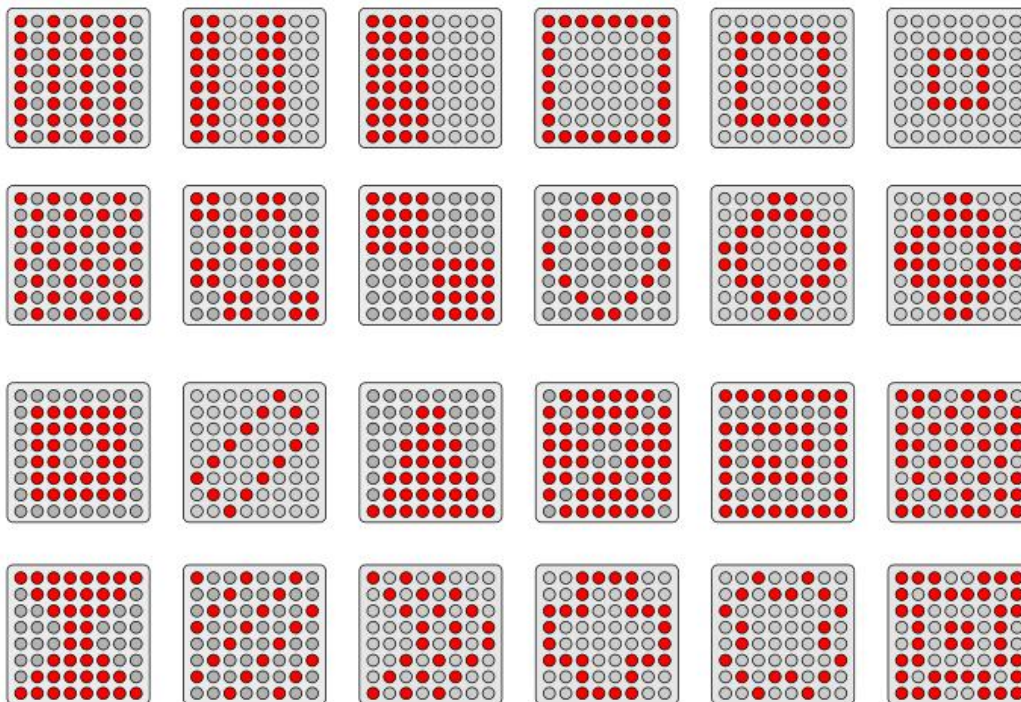## 5. 4-digits counter controlled by 2 buttons (green:plus, red:minus)

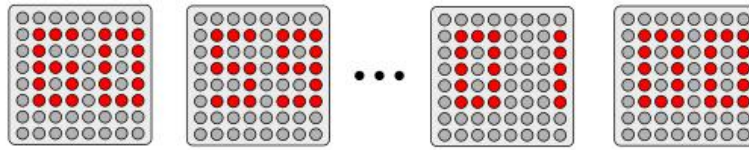Modified the counter above to octonary (carry every 8 increases：...6,7,10,11...16,17,20...)

6. Draw bitmaps (use draw bitmap function):

7. Draw bitmaps (use pixel/line functions):

8. 60s down counter: 60 -> 59 -> ... -> 01 -> 00

9. Animation effect (use pixel/line functions):