Scratch GPIO

In this example we are going to create a single set of traffic lights that goes though the sequence 10 times, using all the blocks we have so far used. Each combination will be on for 1 seconds and there is to be a wait of 5 seconds for the lights.

We will need to start ensuring that all lights are off, then enter a repeat loop that executes the code within 10 times. Then we use broadcast blocks to turn on or off the various pins connected to our coloured LED's, with a wait block between to give the required delay.

```
broadcast  all off
wait  3  secs
repeat  10
    broadcast  pin 12 high
    wait  1  secs
    broadcast  pin 16 high
    wait  1  secs
    broadcast  pin 12 low
    broadcast  pin 16 low
    broadcast  pin 18 high
    wait  5  secs
    broadcast  pin 16 high
    broadcast  pin 18 low
    wait  1  secs
    broadcast  pin 12 high
    broadcast  pin 16 low
```