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2) Traffic Light

```
int GREEN = 2;
int YELLOW = 3;
int RED = 4;
int DELAY_GREEN = 5000;
int DELAY_YELLOW = 3000;
int DELAY_RED = 7000;

void setup()
{
    pinMode (GREEN, OUTPUT);
    pinMode (YELLOW, OUTPUT);
    pinMode (RED, OUTPUT);
}

void loop()
{
    green-light();
    delay (DELAY_GREEN);
    yellow-light();
    delay (DELAY_YELLOW);
    red-light();
    delay (DELAY_RED);
}

void green-light()
{
    digitalWrite (GREEN, HIGH);
    digitalWrite (YELLOW, LOW);
    digitalWrite (RED, LOW);
}

void yellow-light()
{
    digitalWrite (GREEN, LOW);
    digitalWrite (YELLOW, HIGH);
    digitalWrite (RED, LOW);
}
```

```
void red-light()  
{  
    digitalWrite (GREEN, LOW);  
    digitalWrite (YELLOW, LOW);  
    digitalWrite (RED, HIGH);  
}
```