

2) Traffic Lights

```
int green = 2;
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()
{
  greenLight();
  delay (DELAY_GREEN);
  yellowLight();
  delay (DELAY_YELLOW);
  redLight();
  delay (DELAY_RED);
}
void greenLight()
{
  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);  
}
```