```
28    /// Sets all the pins as either INPUT or OUTPUT based on the value of 'dir'
29    ///
30    void setPinDirection(byte dir){
31      for(byte i = 0; i < noPins; i++){
32        pinMode(pins[i], dir);
33      }
34    }
35
36    //send the same value to all the LED pins
37    void writeAllPins(byte val){
38      for(byte i = 0; i < noPins; i++){
39        digitalWrite(pins[i], val);
40      }
41    }
```