PIC Activity Five

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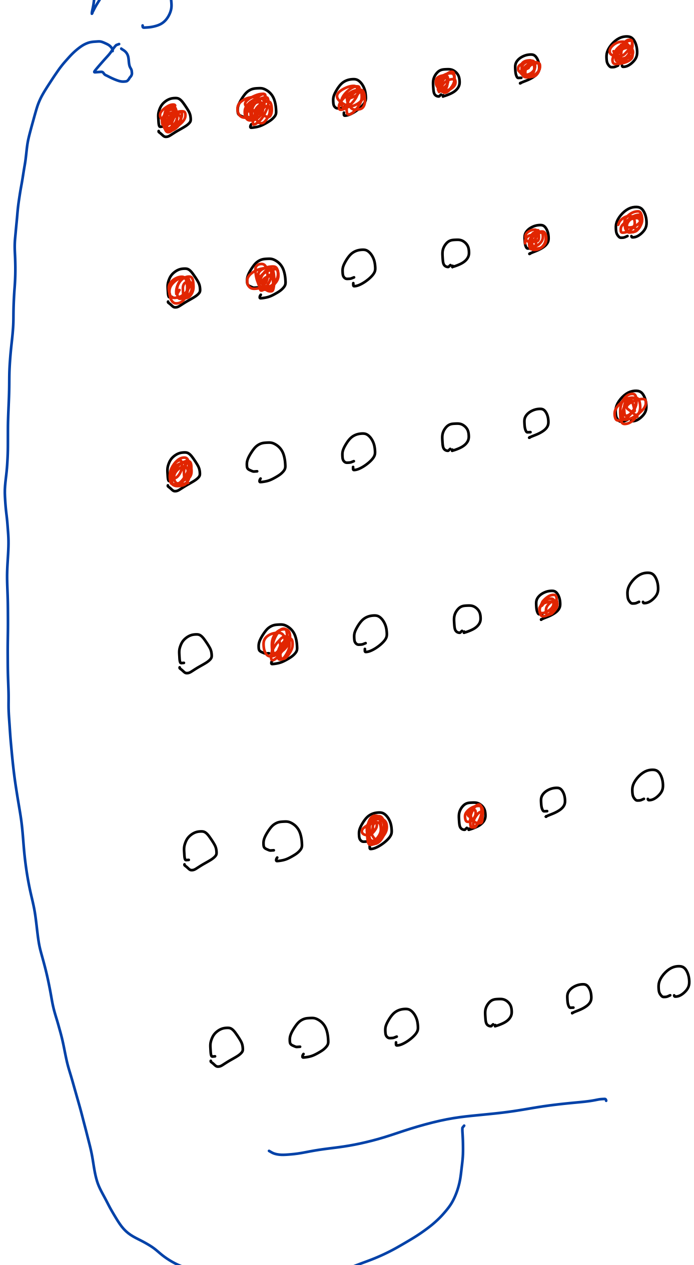
These don't correspond directly to the values in my array. I chose values that could be used with XOR operation to get to these.

Please Note: Delay for changes in these patterns is set for 1/2 seconds in the program.

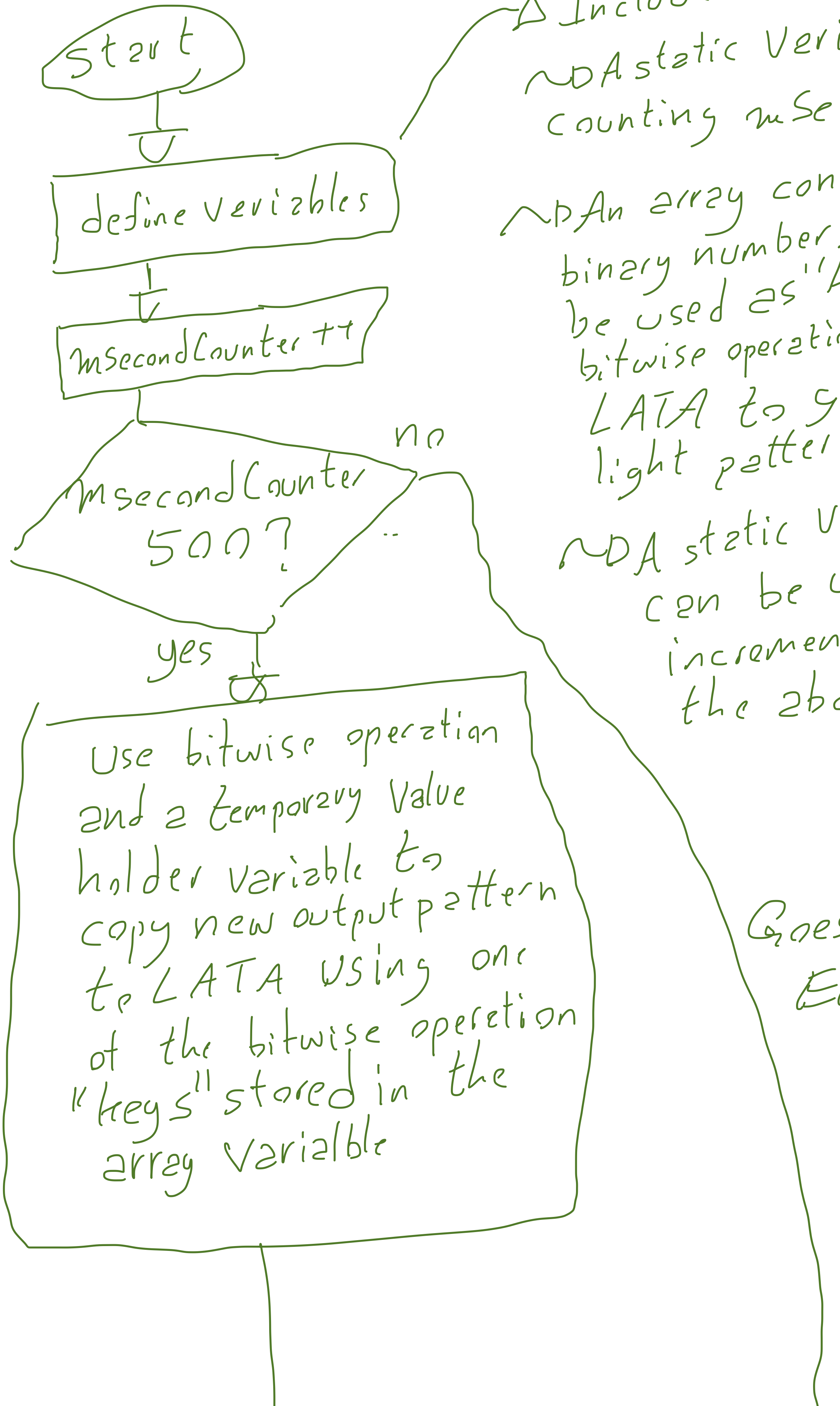
My Pattern



Binary	Hex
0b11 1111	0x3F
0b11 0011	0x33
0b10 0001	0x21
0b01 0010	0x12
0b00 1100	0x0A
0b 000000	0x00

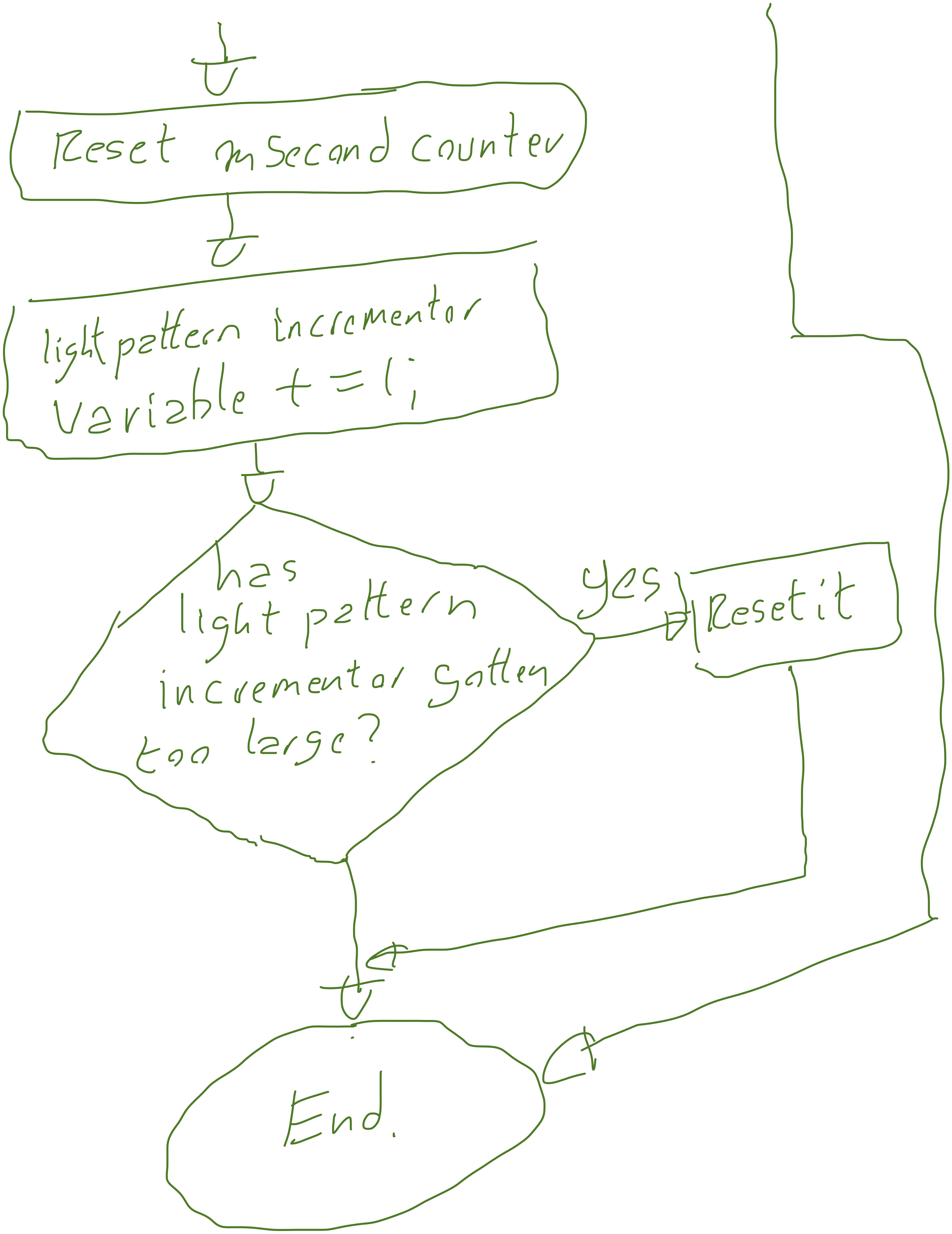
Program Flow Chart

mSeconds is just milliseconds


Start
define veriables
mSecondCounter++
mSecondCounter 500?
no
yes
Use bitwise operation and a temporary value holder variable to copy new output pattern to LATA using one of the bitwise operation of the "keys" stored in the array variable
Goes to End.

Include

- A static Veriable for counting mSeconds
- An array containing binary numbers that can be used as "keys" in bitwise operations with LATA to get desired light patterns.
- A static Veriable that can be used to increment through the above array.


Reset mSecond counter
light pattern incrementor variable +=1;
has light pattern incrementor gotten too large?
yes
Reset it
End.

And so it is.