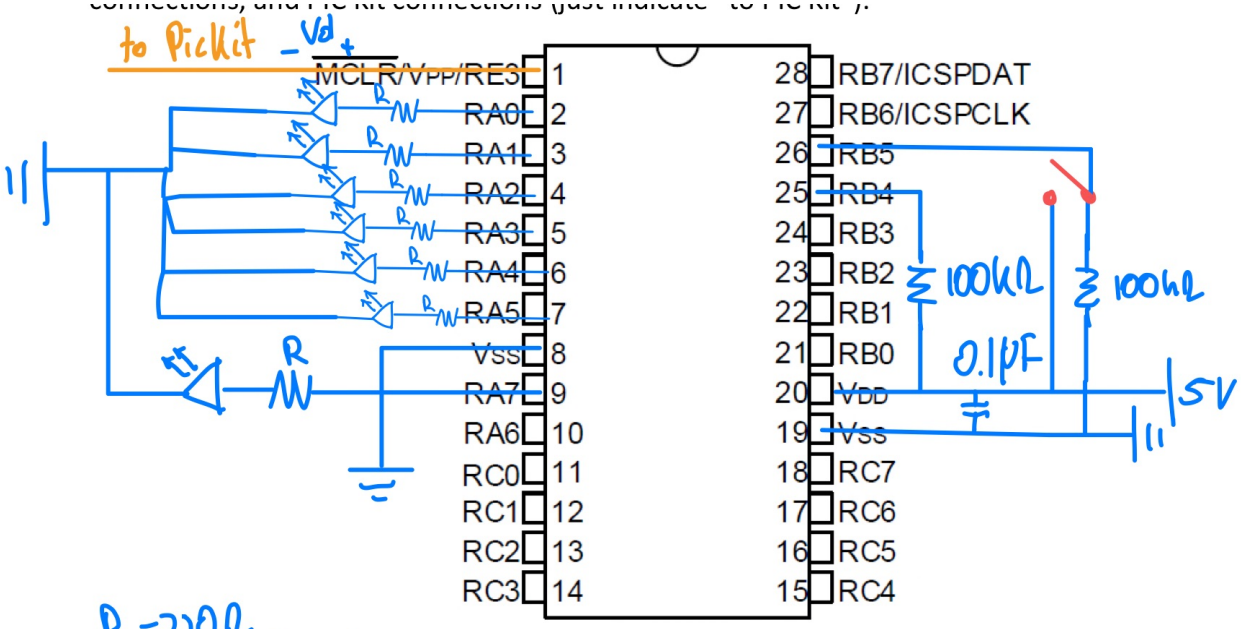
connections, and PIC kit connections (just indicate "to PIC kit").

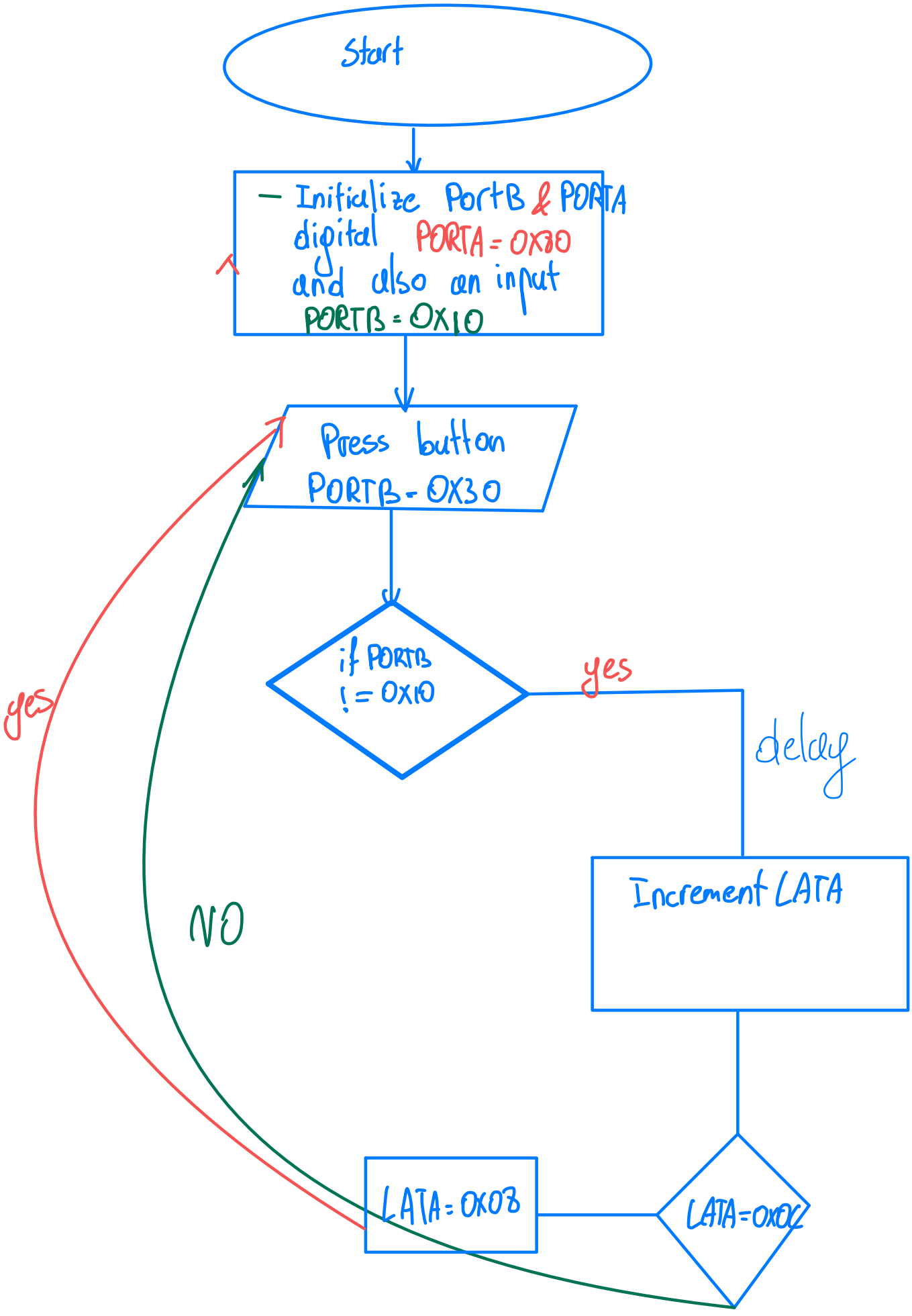


R = 220Ω

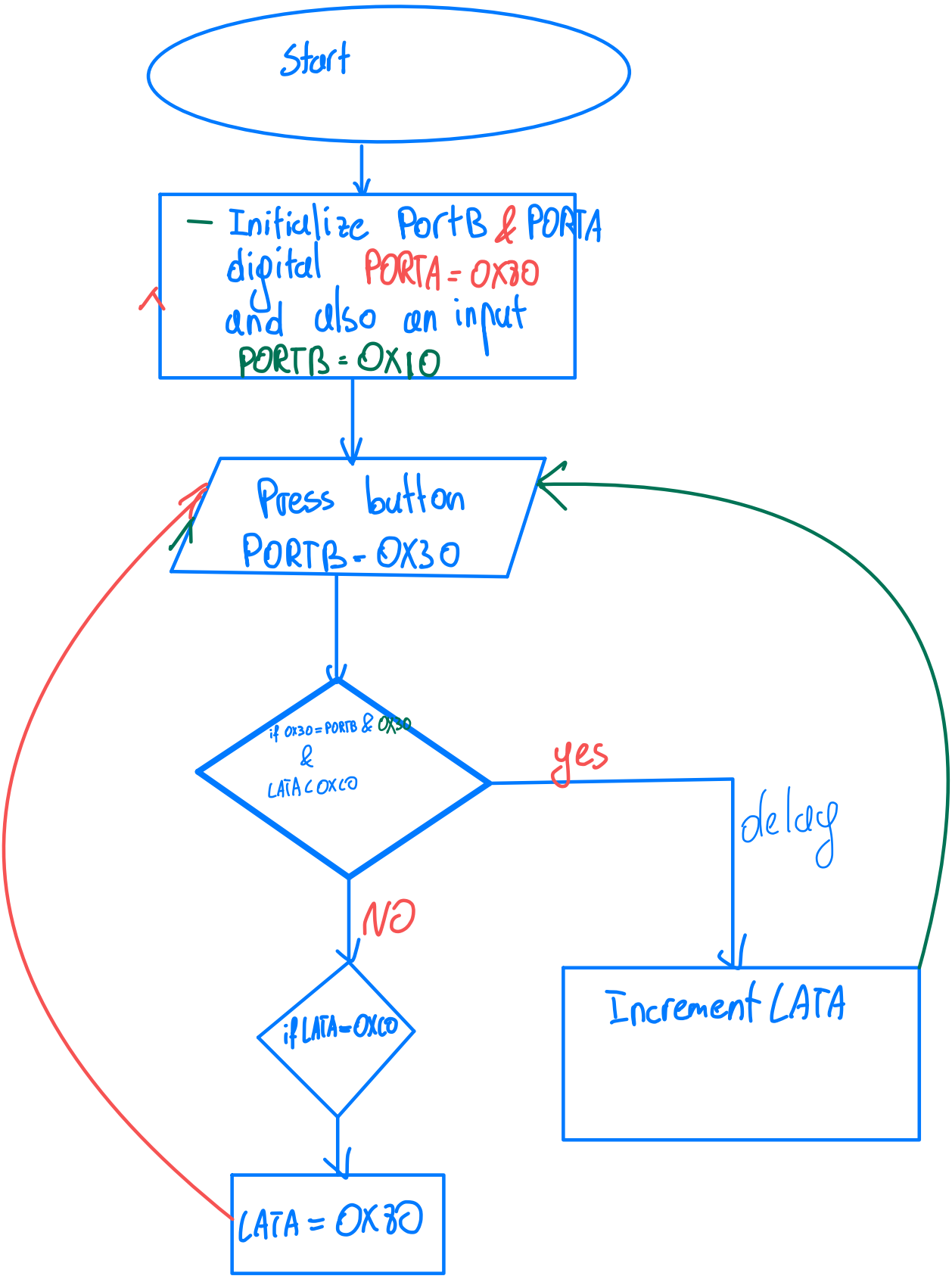
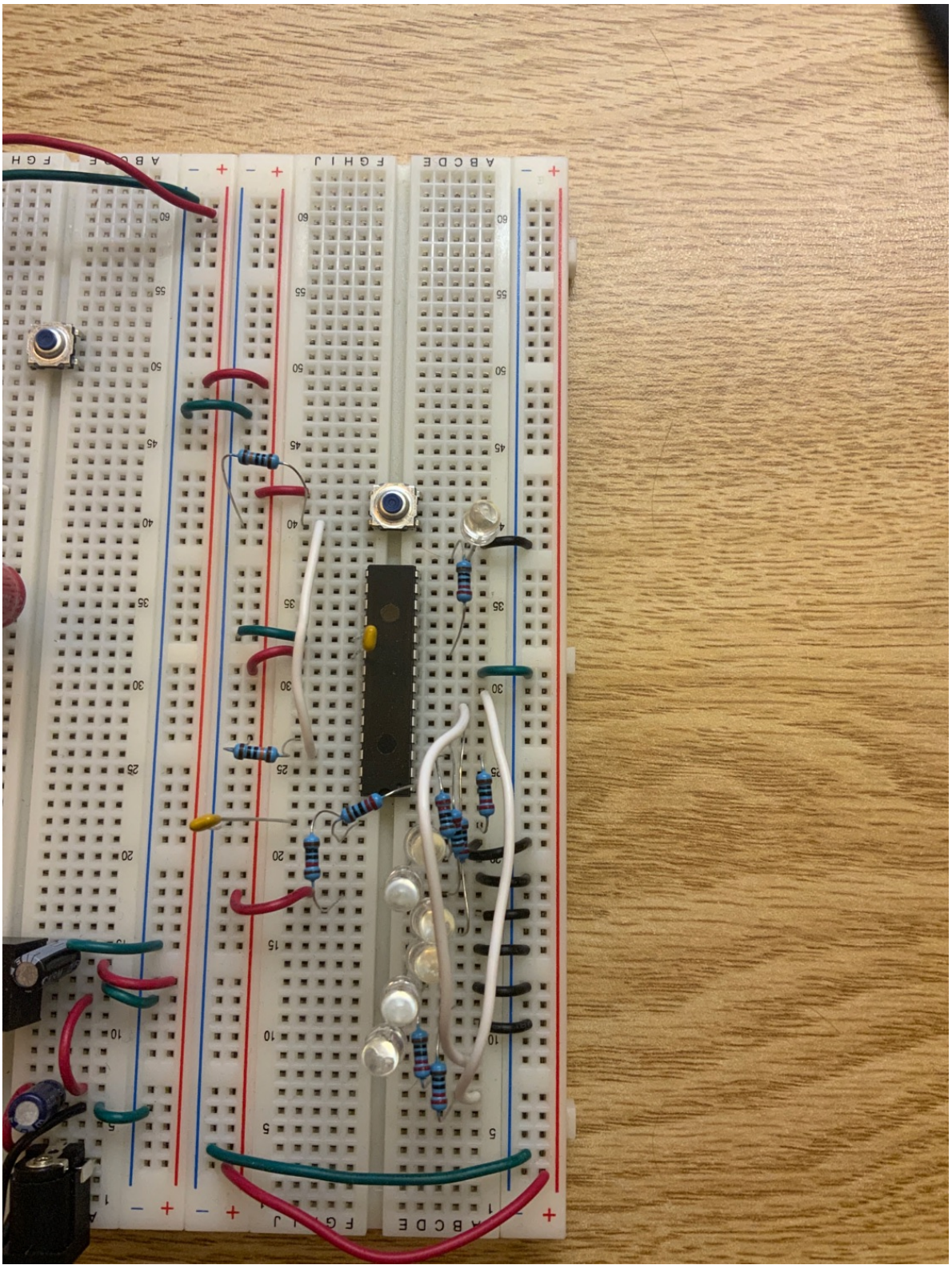
V Diodes (Red) ≈ 2.0V

Hardware Implementation

Flowchart 1:


Start
- Initialize PortB & PORTA digital PORTA = 0X30 and also an input PORTB = 0X10
Press button PORTB - 0X30
if PORTB != 0X10
yes
delay
Increment LATA
LATA=0X0C
LATA=0X03
yes
NO

Flowchart 2 :


Start
- Initialize PortB & PORTA digital PORTA = 0X30 and also an input PORTB = 0X10
Press button PORTB - 0X30
if 0X30 = PORTB & 0X30 & LATA < 0XC0
yes
delay
NO
Increment LATA
if LATA = 0XC0
LATA = 0X30