



GEBZE TECHNICAL UNIVERSITY

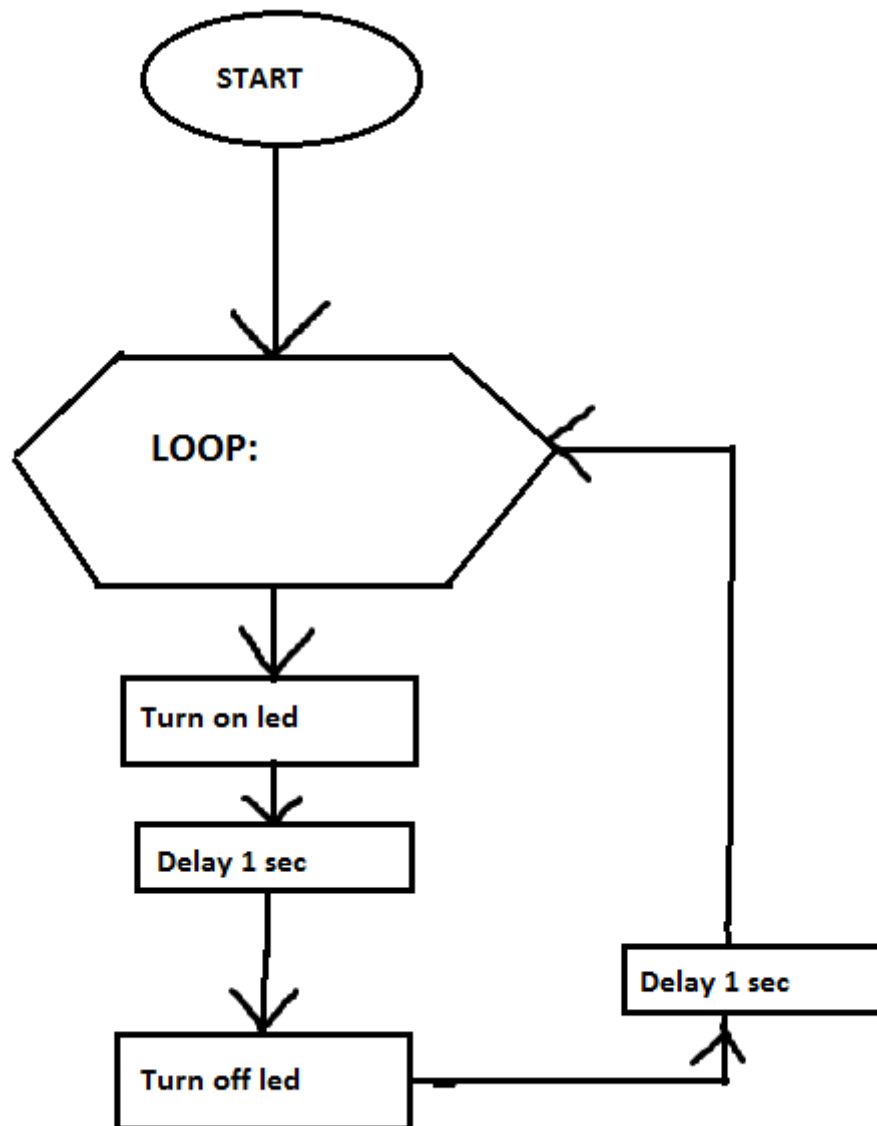
ELEC 335

LAB 2 REPORT

BERKAY TÜRK

171024024

PROBLEM 1: Write assembly code that will toggle the on-board LED at a rate of 1 second.

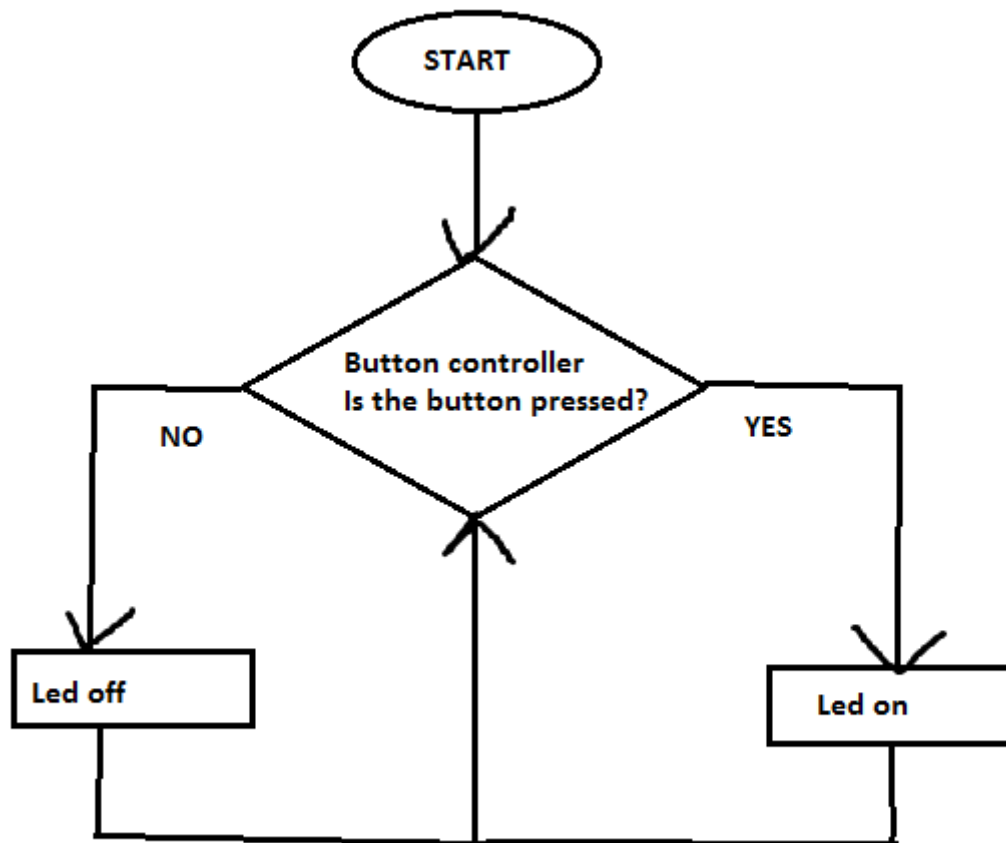


Flowchart

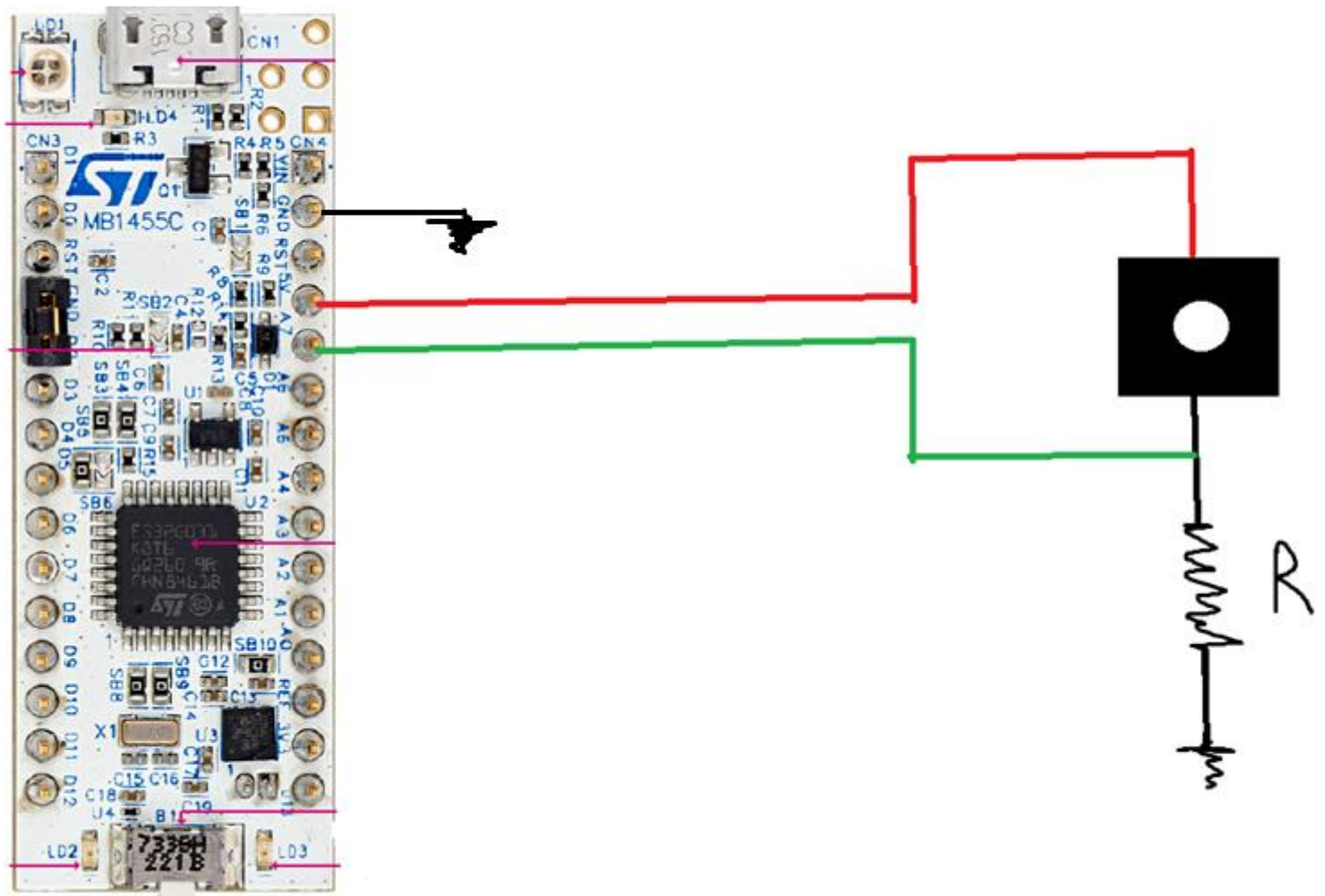
1.Problem video:

<https://youtu.be/sUVbHCbEWmU>

PROBLEM 2: Connect a button to the board, and turn on the on-board LED when the button is pressed. When the button is released, the LED should turn off.



Flowchart

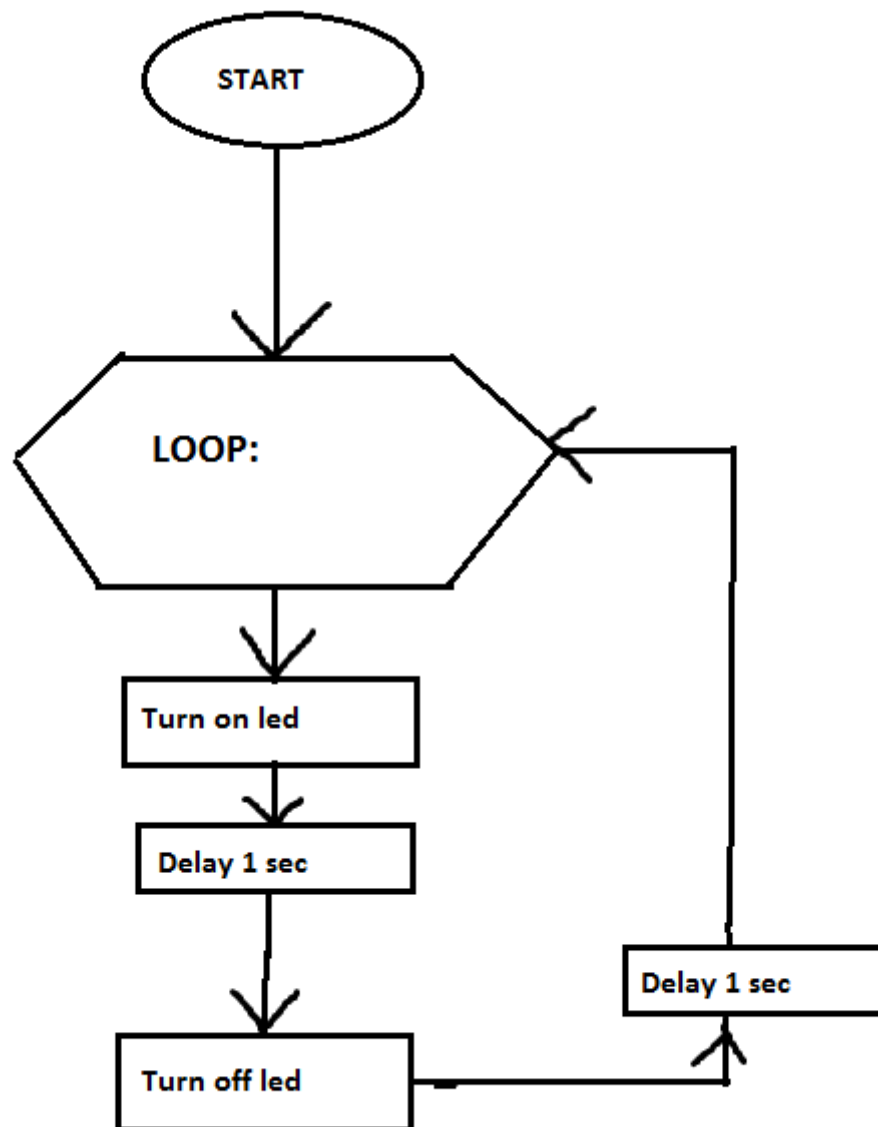


Connection Diagram

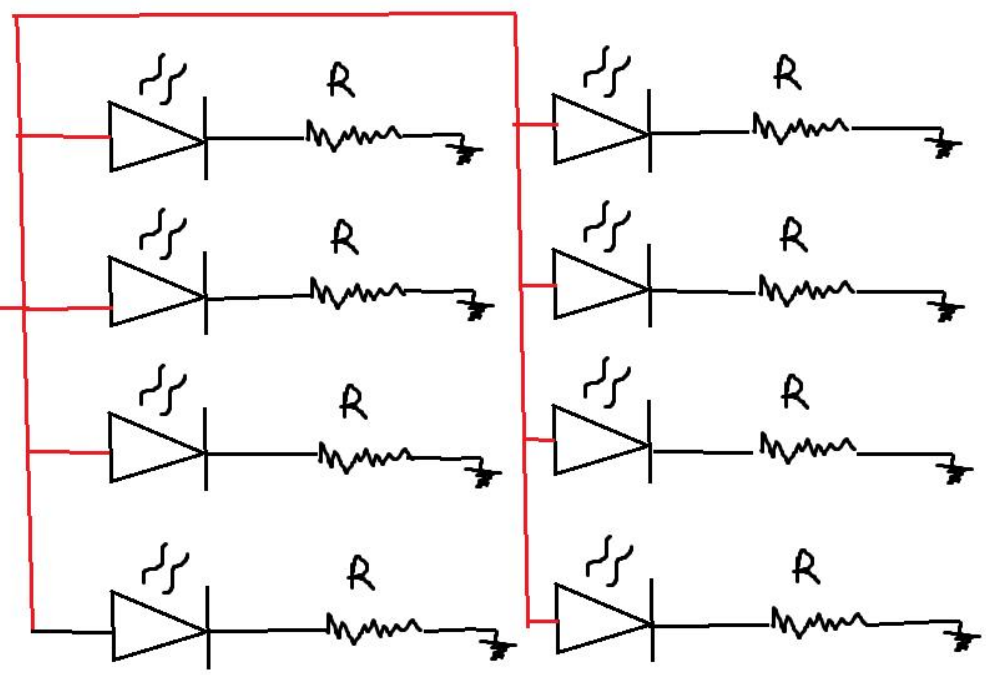
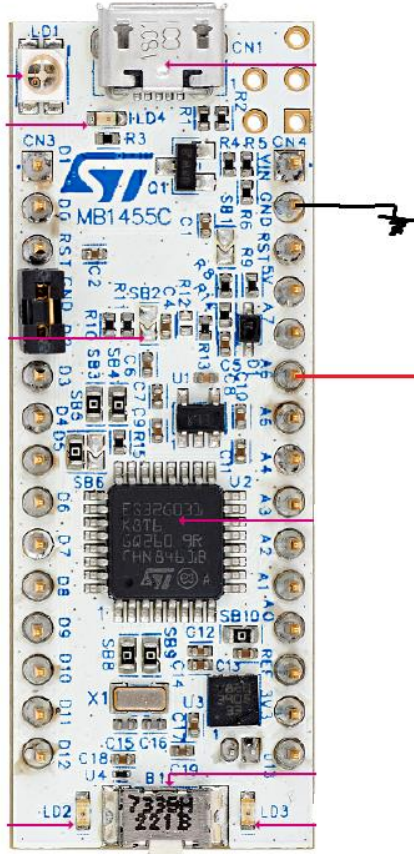
2.Problem video:

<https://youtu.be/sU6uhQF-gjQ>

PROBLEM 3: Connect 8 external LEDs to the board, and toggle all the LEDs at the same time at a rate of 1 second.



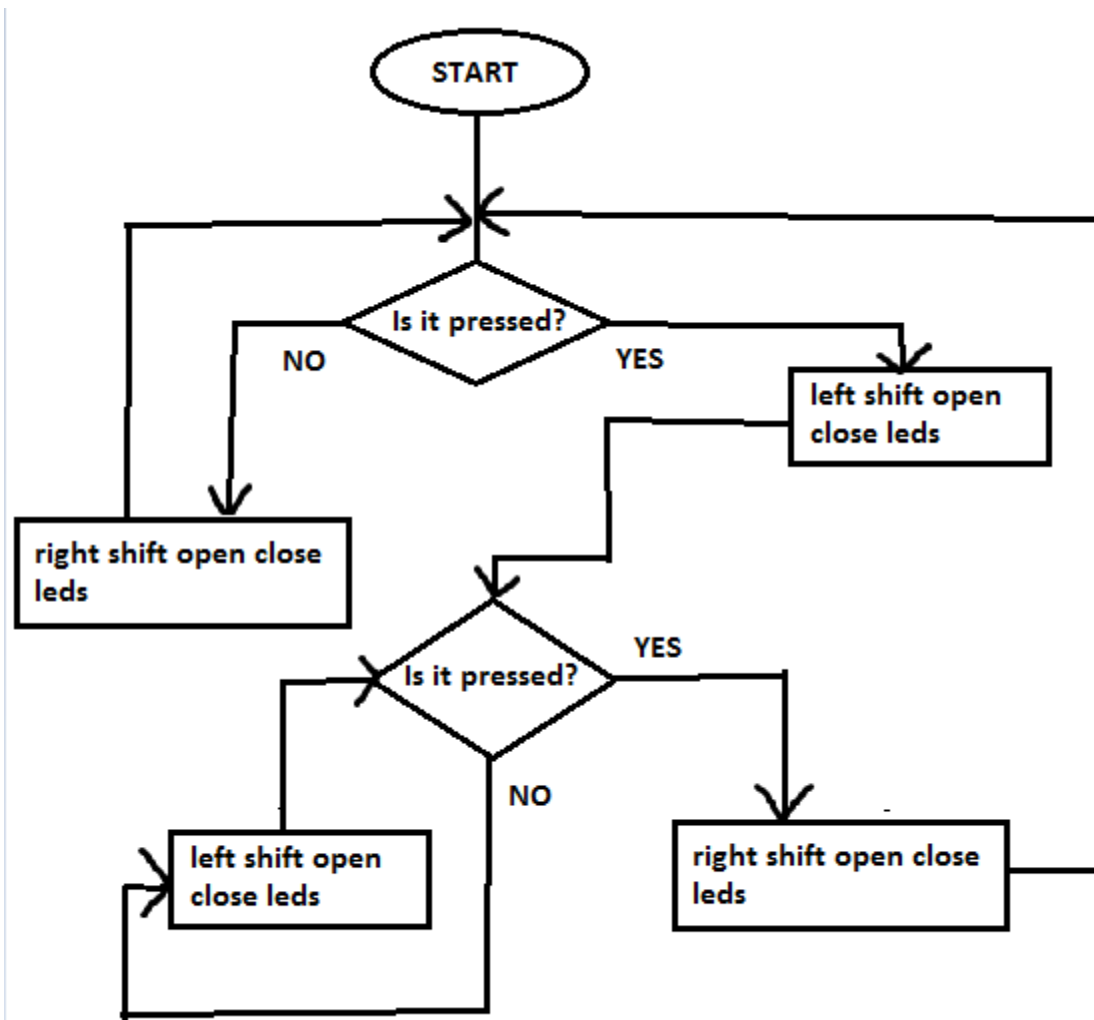
Flowchart



Connection Diagram

3.Problem video:
<https://youtu.be/pCwPqmRLxgE>

PROBLEM 4: Connect 8 LEDs and 1 button to the board, and implement a shift pattern.



Flowchart

My code is open to improve .In some place the function can be written and shortened.

Sometimes when the button is pressed, it cannot be detected depending on the time.

