

Embedded Systems Lab Experiment 6

Display Text on 16x2 LCD using ATMega 32 Microcontroller

Program an ATMega 32 to display text on 16x2 LCD
in 4 bit mode

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DATE

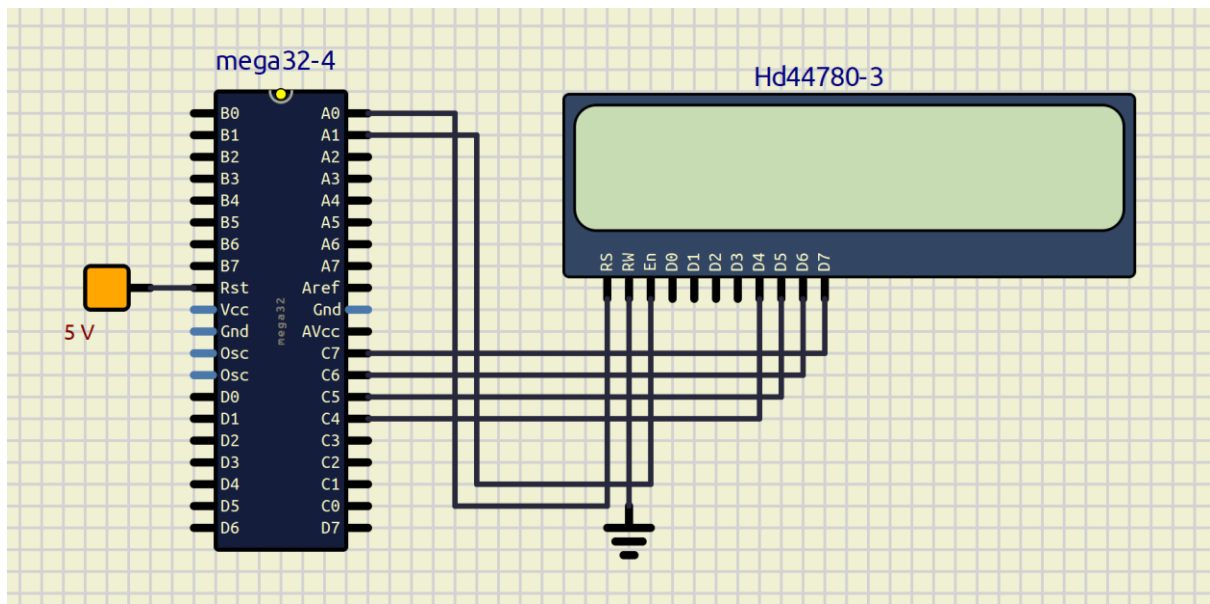
Exp 06: Displaying text on 16x2 LCD using AT Mega 32 in 4 bit mode.

SHEET NO.

•) Objective: To program an AT Mega 32 to display text on 16x2 LCD

•) Apparatus reqd.:

Name.	Specification	Quantity
1. AT Mega 32 μ C	—	1
2. 16x2 LCD	Hd 44780-3	1
3. Wires		7



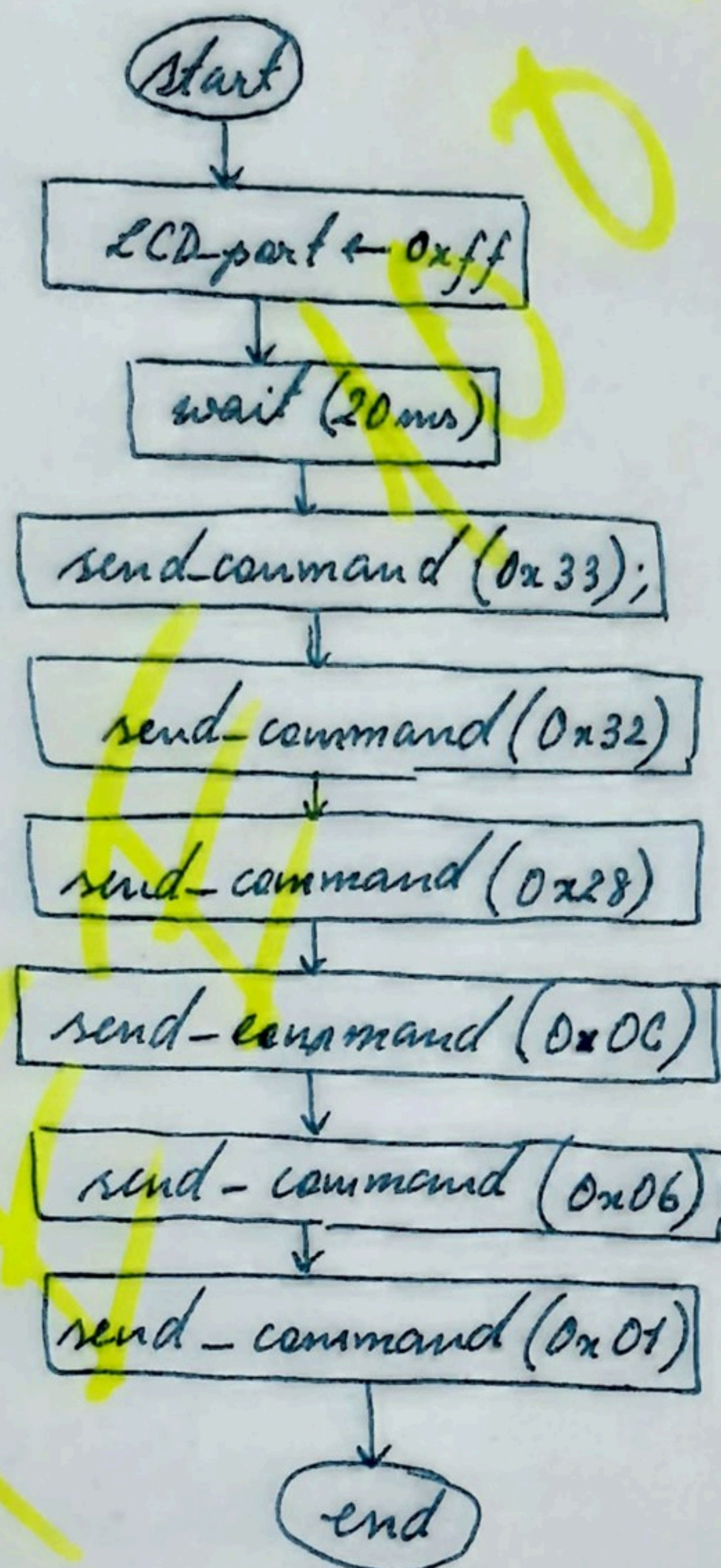
Schematic used for displaying text

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•> Diff Sub blocks of program:

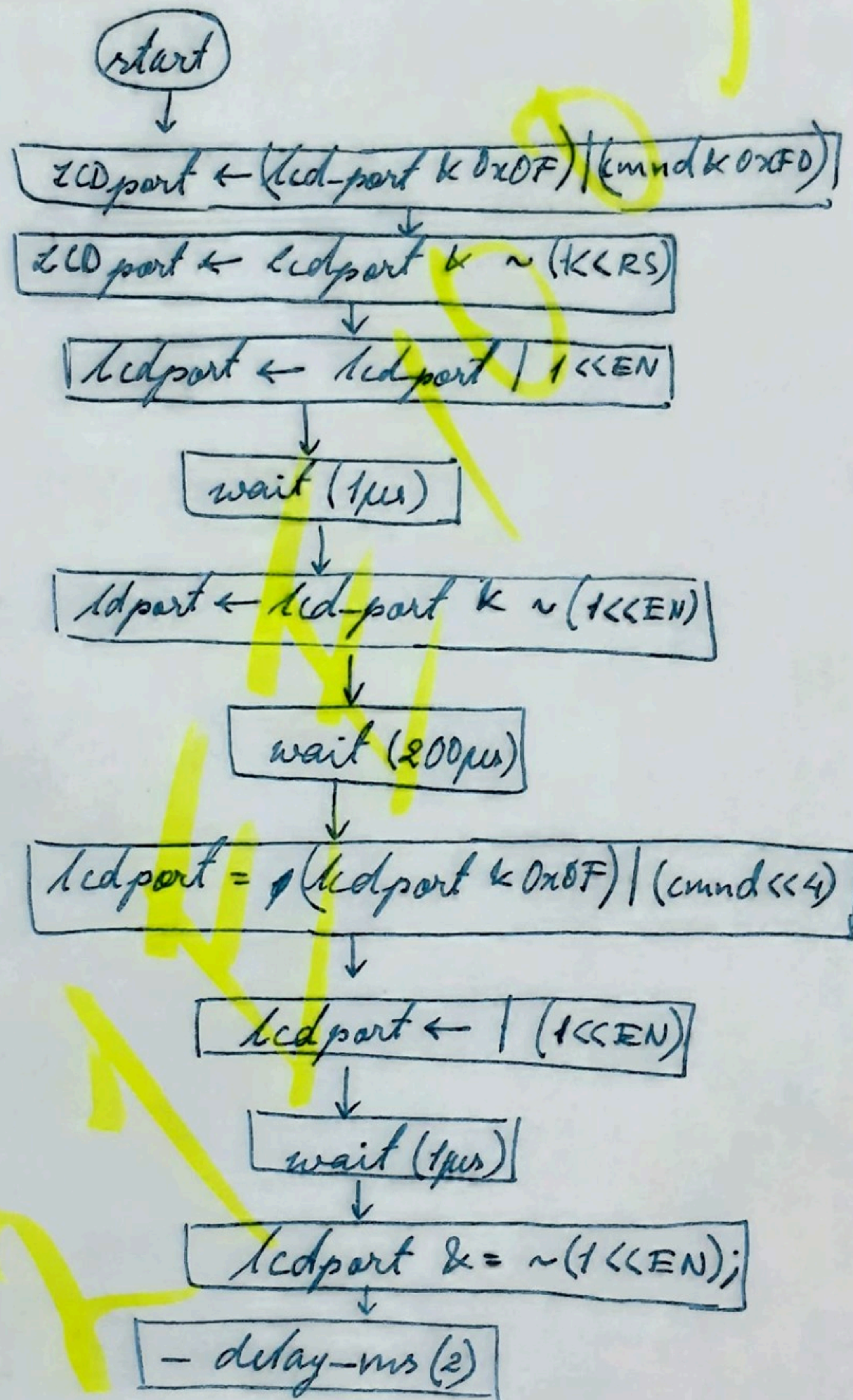
(i) LCD-init:



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(ii) ~~LC~~ send-command ~~via~~ / LCD-command:



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ii) LCDchar: (to display a character)

