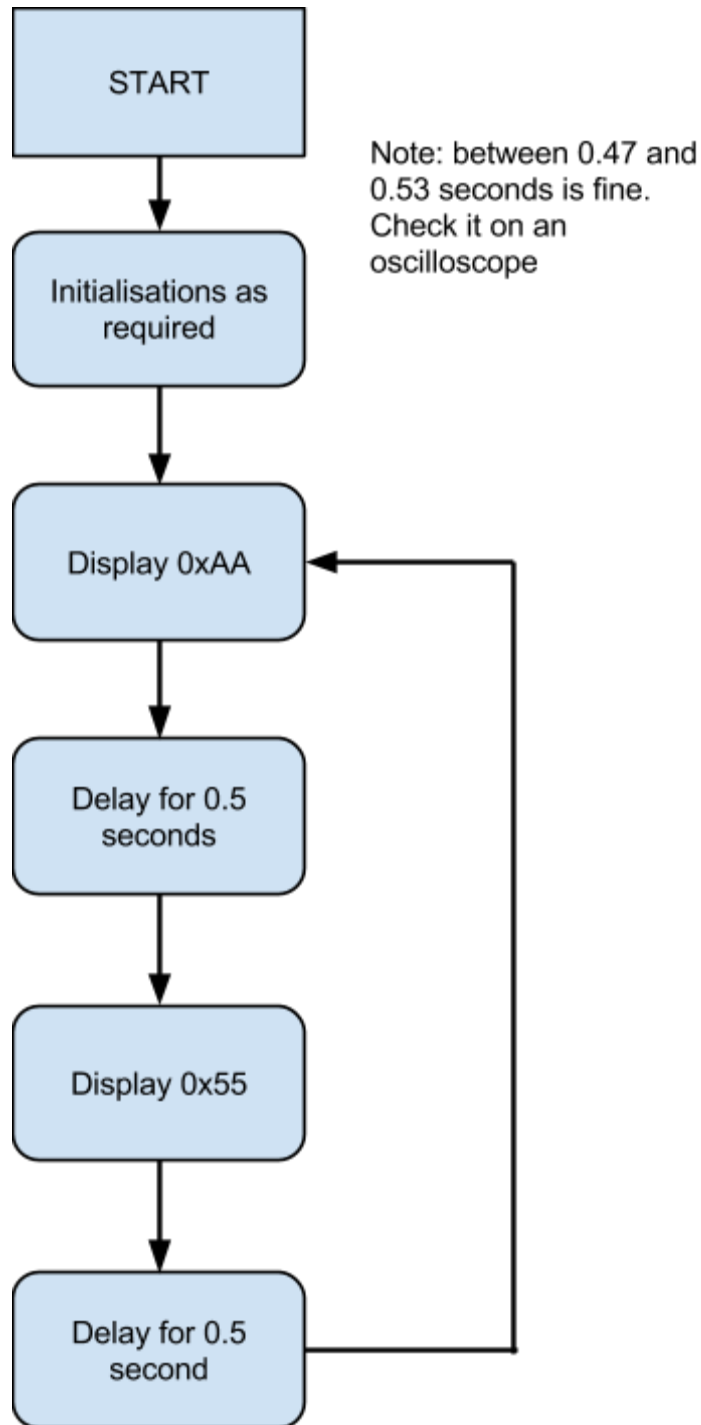
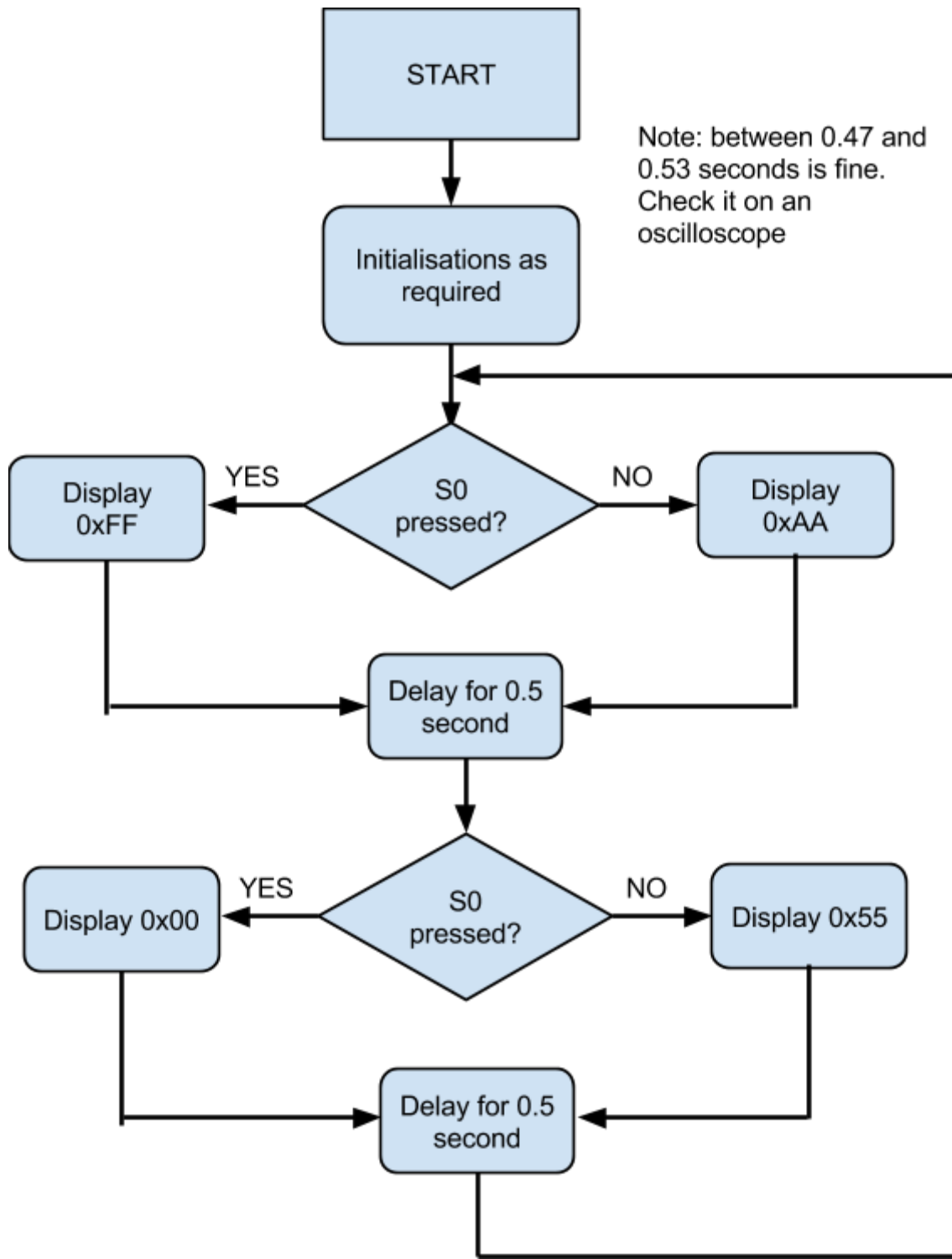


## Practical 3

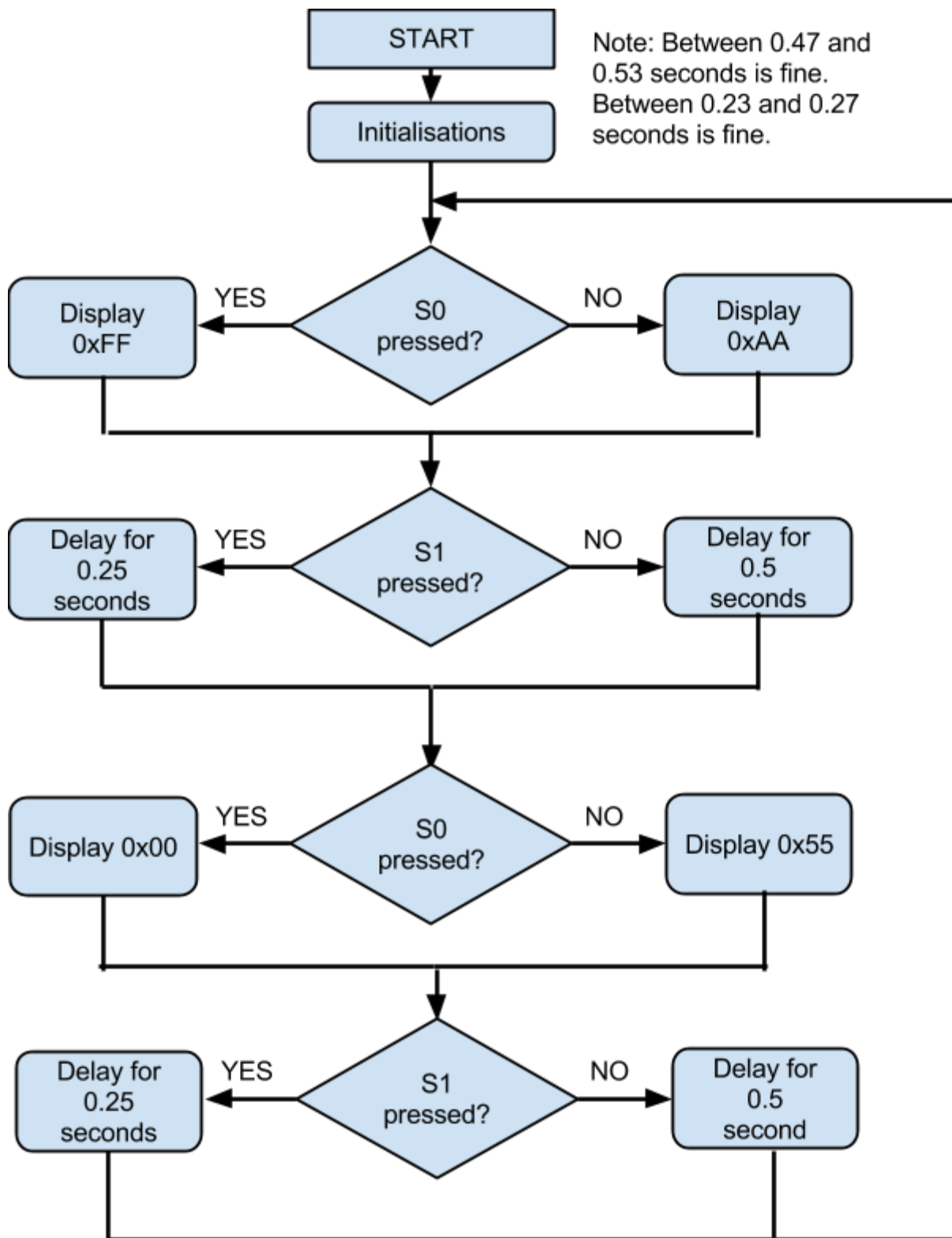
**Part 1:** Implement the following flow diagram. Display means show the pattern on the LEDs. Should be around 40 lines of code.



**Part 2:** Extend the flow diagram to the following:  
(now around 60 lines of code)



**Part 3:** Extend the flow diagram to the following:  
(now around 75 lines of code)



I do not expect everyone to complete the entire prac.

Please only spend the allotted 45 minutes preparation + 1.5 hours working on the prac.

The more skilled students should be able to get 100% in this time.

Other should should be able to complete only one or two of the tasks in this time.

Submit only one file which has as much functionality in it as you've have been able to implement.

**Marking:**

Part 1: (4)

Part 2: (3)

Part 3: (2)

Marked out of: 9