Assignment #3:
Due June 19
Please keep a copy with you!!

1. Show switch settings for the following using the algorithm described in class: Show the settings for all switches.

![Diagram of switch settings]

2. Problem 4-5
3. Problem 4-6
4. Problem 9-2 (a),(b),(c).
5. In SELECT algorithm, we grouped elements into sets of 5 each (except possibly the last one which may contain fewer). Analyse the algorithm if we made the following changes (one at a time)
   (a) We grouped them into sets of 7
   (b) We group them into sets of 3

   Justify your answer.
6. 9.3-8 (page 223)
7. Challenge Problem [Not to be turned in!]: Problem 9.3-4 (page 192): do for \(i = 2\).