

1. (Prob 5.11, 4 pts) The Eisenberg and McGuire algorithm (read the details from problem 5.11 in your textbook). In the algorithm, the variable “i” represents the process ID, i.e. “i” is 4 for P_4 , 7 for P_7 and so on. Prove that the algorithm satisfies both the criteria below:
 - a. Progress Case I, i.e. one of the N processes (say P_a , $0 \leq a < N$) is interested in gaining entry to its CS
 - b. Progress Case II, i.e. two of the N processes (say P_a and P_b) are interested in gaining entry to their respective CS
2. (Prob 5.22, 6 pts) Allocating and releasing processes (read the details from problem 5.22 in your textbook)