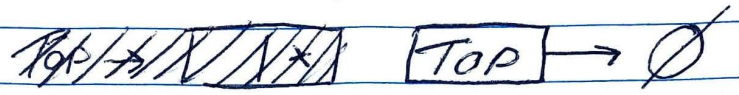
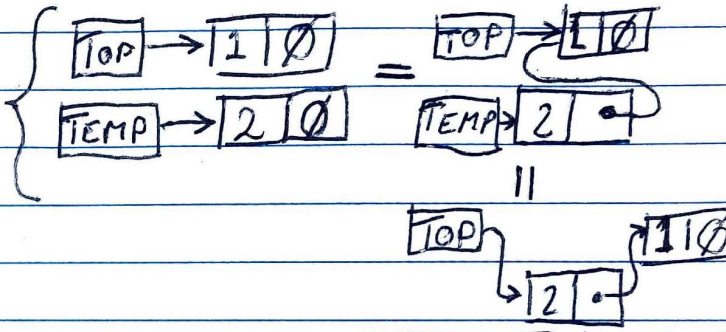
WEEK2 SUBMISSION TASK

a) SLLSTACK MySTACK = NEW SLLSTACK();

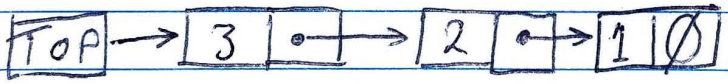


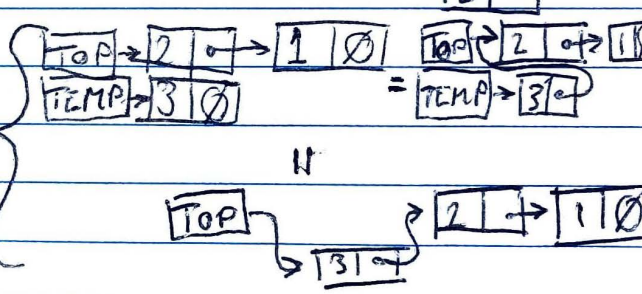
MySTACK.SPUSH(1)

MySTACK.SPUSH(2)

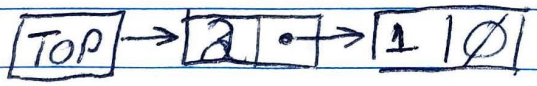


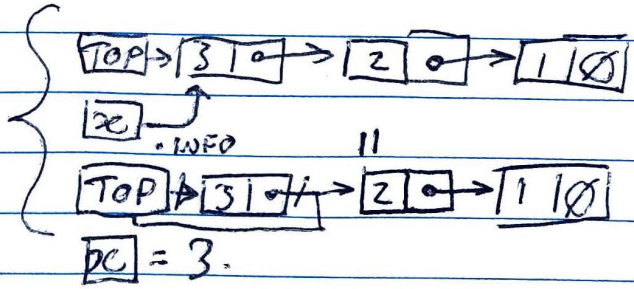
MySTACK.SPUSH(3)





INT DC = MYSTACK.SPOP()



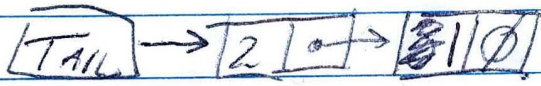


WEEK2 SUBMISSION TASK

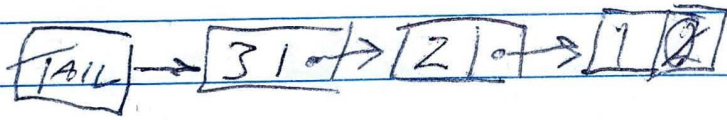
B). SLLQUEUE MyQUEUE = NEW SLLQUEUE();

MyQUEUE.QPUSH(1);

MyQUEUE.QPUSH(2);

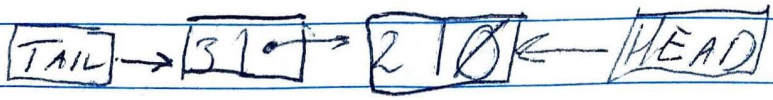


MyQUEUE.QPUSH(3);



INT x = MyQUEUE.QPOP();

x = 1



C) the nature of qPop is O(N) or linearly increasing meaning the more elements in the queue the longer it takes to FIND the last element. this is because a queue will store head as the last element in the queue.