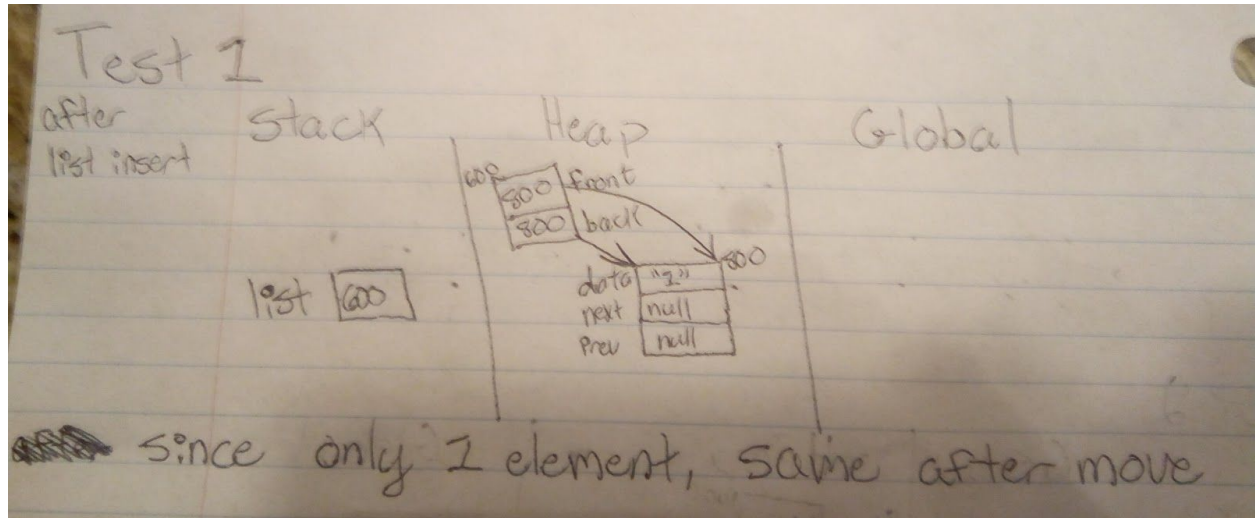


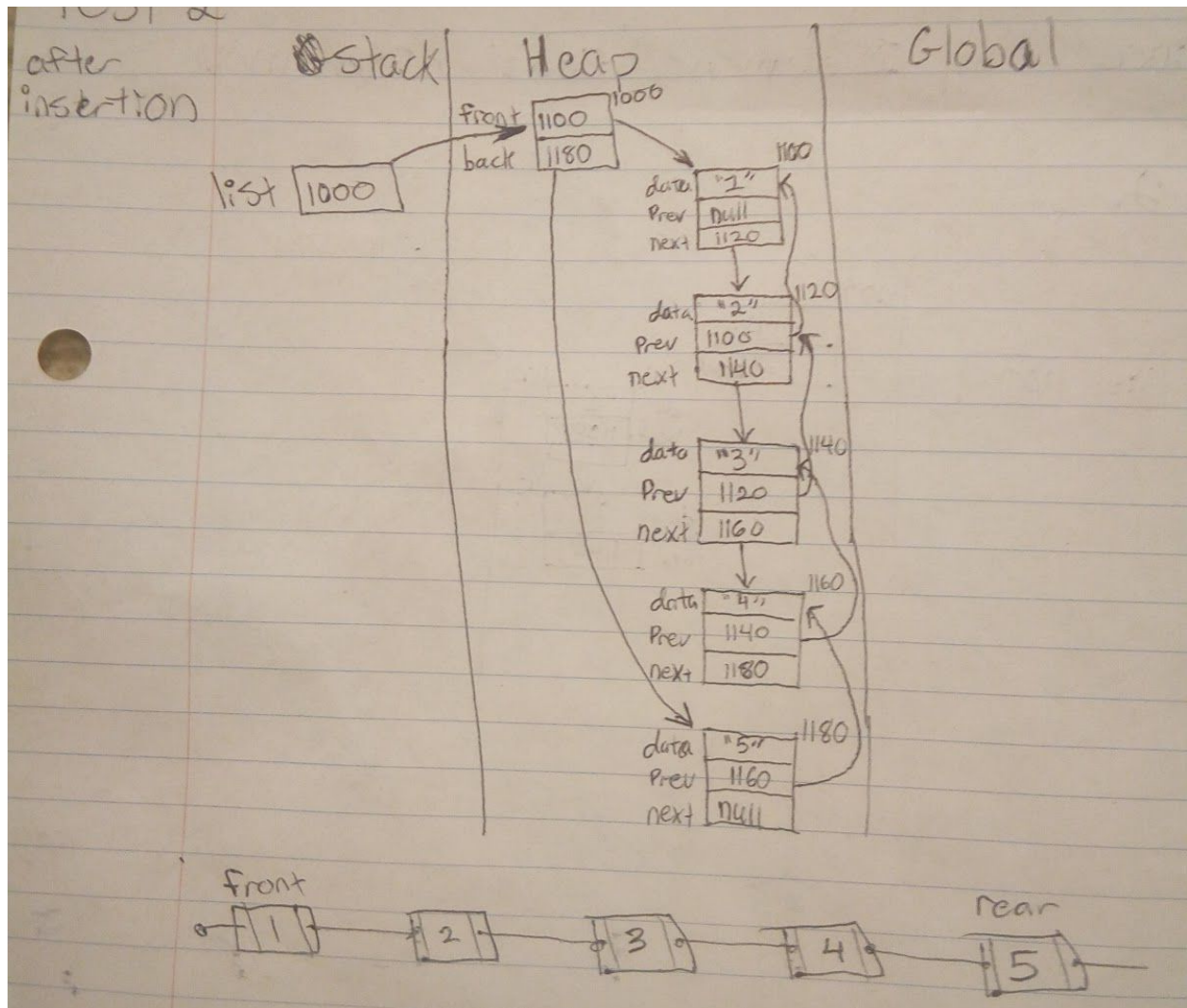
CS2113 Exercise 4

Linked List in Java

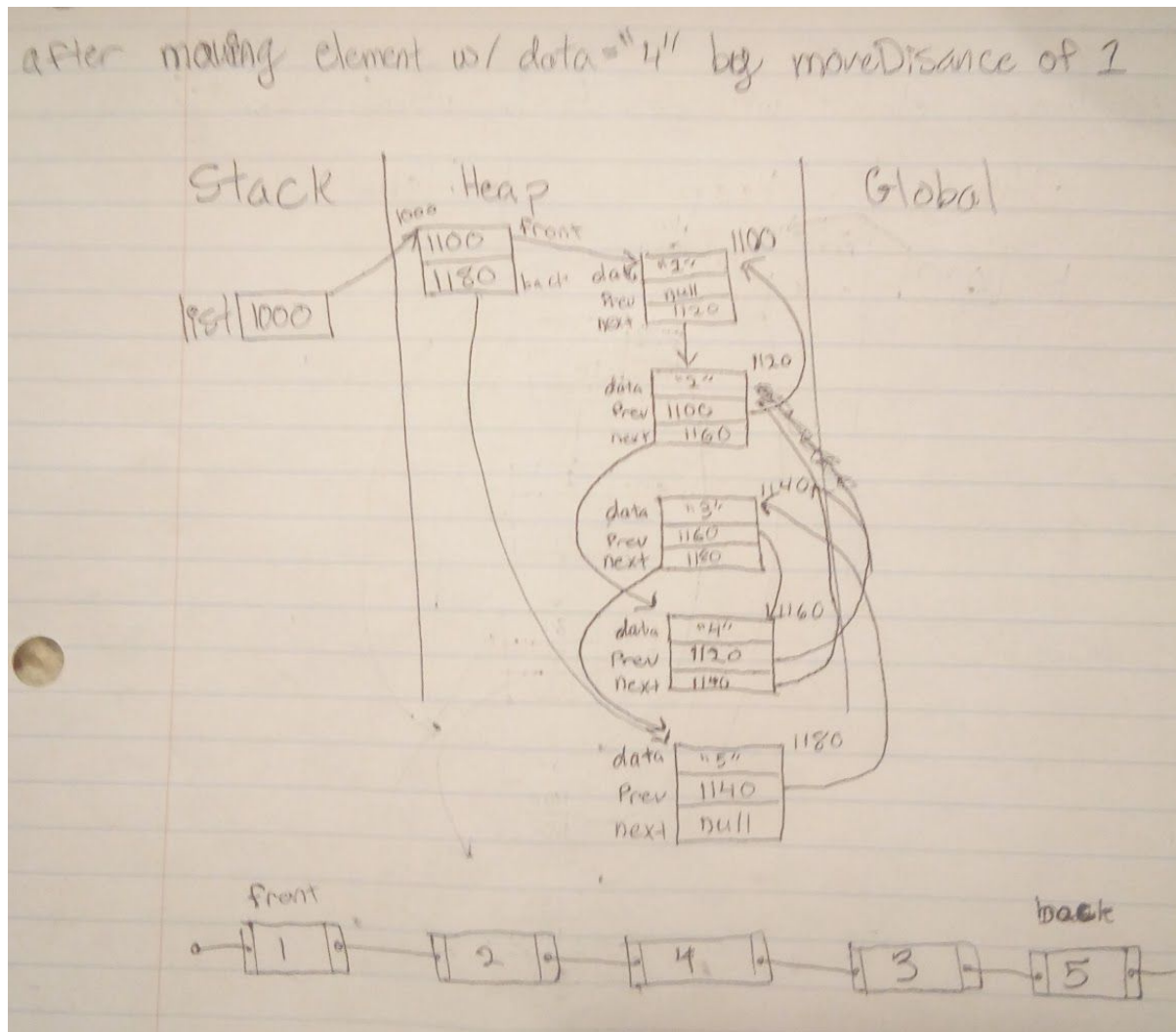
Memory Picture for test 1 after inserting into the list. Since the list is only one element, there is no change when trying to move an element



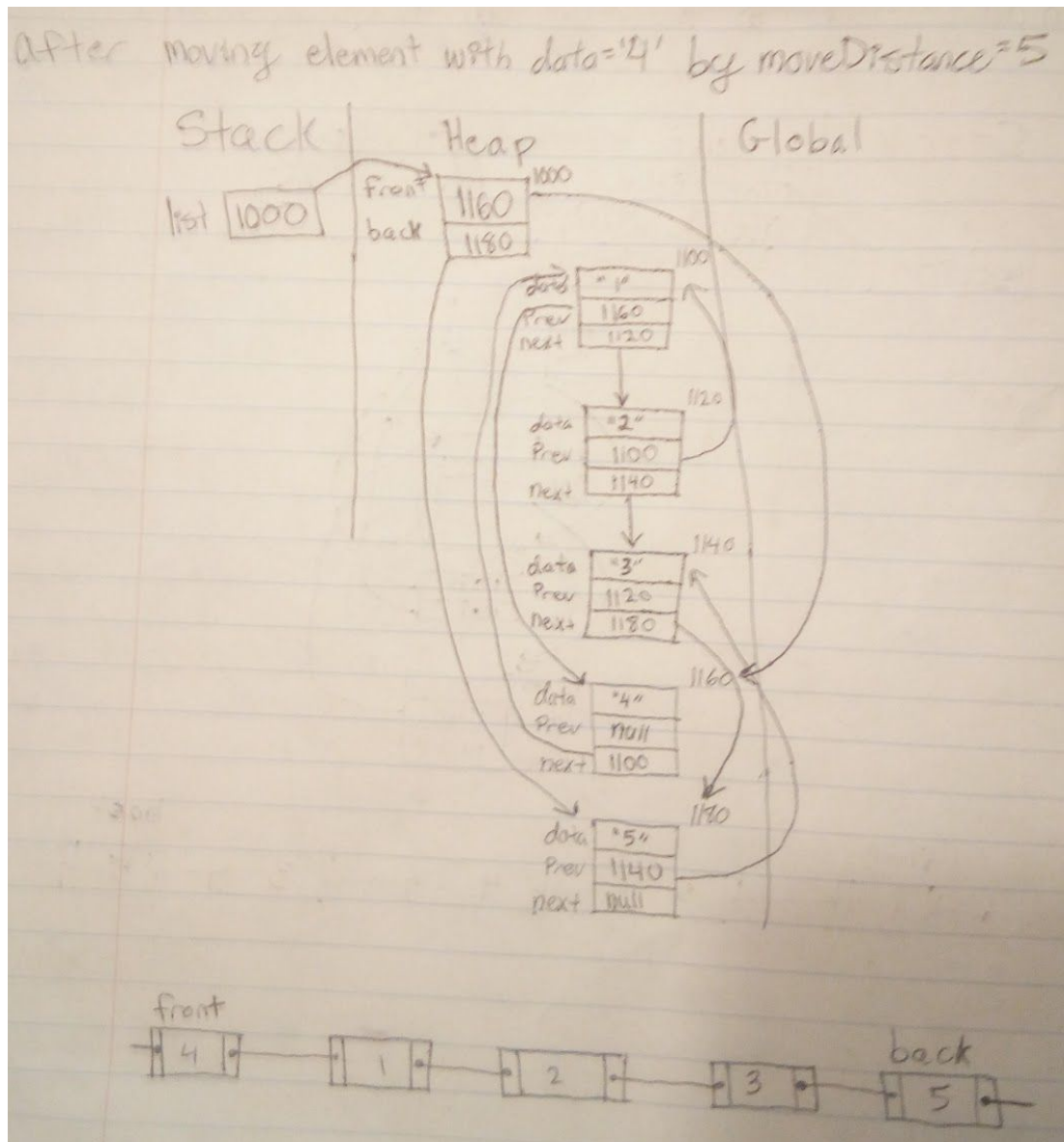
Memory picture after list insert for both Test 2 **and** Test 3



Memory Picture of Test 2 after having moved the element with data= "4" by a distance of 1



Memory Picture of Test 3 after having moved element with data = "4" by a distance of 5 (i.e. to the front of the list)



Average search depth for 10 element linked list with moveDistance of 1 and 10:

Test 5: 5.5135

Test 6: 5.4863

Test 8: 7.5598

Test 9: 4.3403