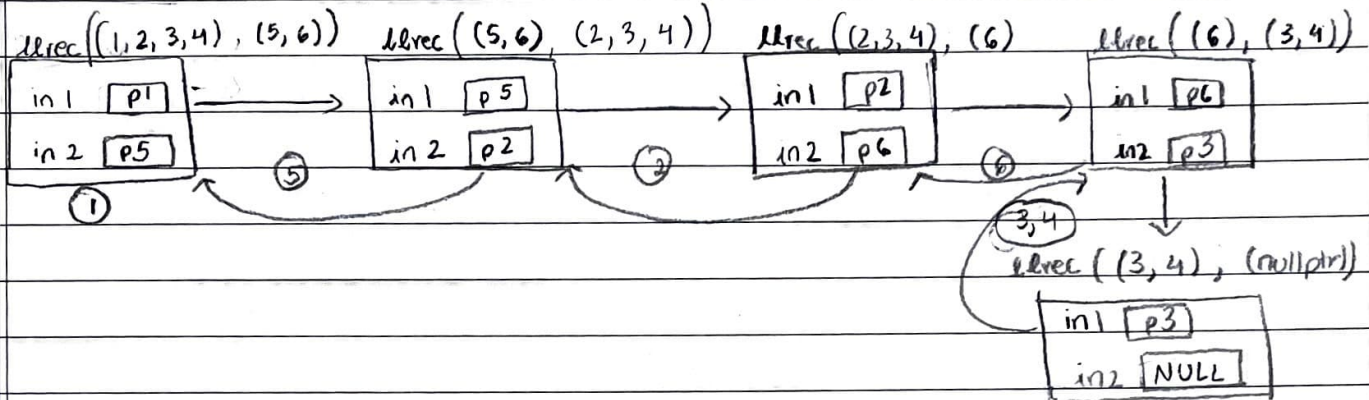
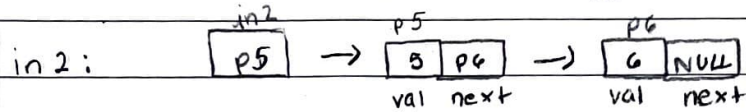
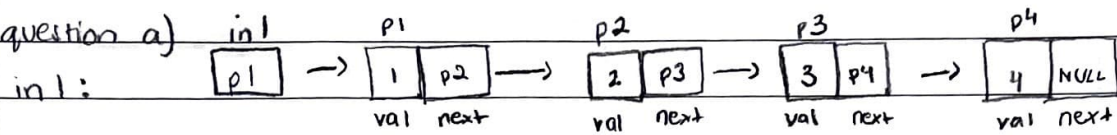


q4 - answers

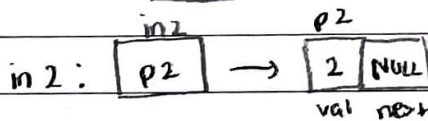
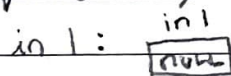
question a)



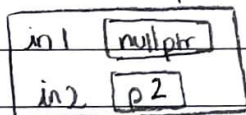
The last call returns a pointer to 3, which points at 4. So from the last call, 3 and 4 are returned. The second to last call returns a pointer to 6. The third to last call returns a pointer to 2. The fourth to last call returns a pointer to 5. The first call returns a pointer to 1.

Thus the linked list returned (in1) is (1, 5, 2, 6, 3, 4).

question b)



$llrec((nullptr), (2))$



(2)

This function is only called once since $in1 = nullptr$ and returns a pointer to 2. Thus the linked list returned (in2) is (2).