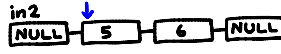
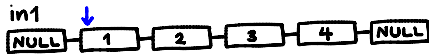


# Gayeon Jang: CSCI 104 HW 1 Q.4

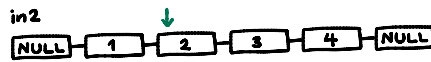
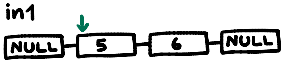
a)

initially



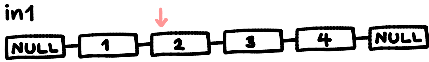
return in1 → [1, 5, 1, 2, 5, 6, 2, 3, 4]

in → next = lrec(in2, in1 → next)



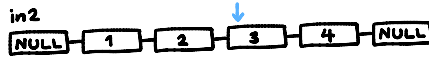
return in1 → [5, 1, 2, 5, 6, 2, 3, 4]

in → next = lrec(in2, in1 → next)



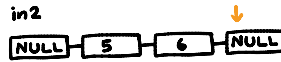
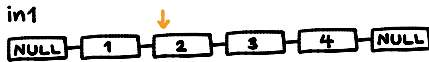
return in1 → [1, 2, 5, 6, 2, 3, 4]

in → next = lrec(in2, in1 → next)



return in1 → [5, 6, 2, 3, 4]

in → next = lrec(in2, in1 → next) → [2, 3, 4]

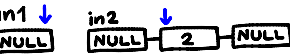


return in1

ANSWER: [1, 5, 1, 2, 5, 6, 2, 3, 4]

b)

initially



return in2

ANSWER: in2 is returned, which is [2]