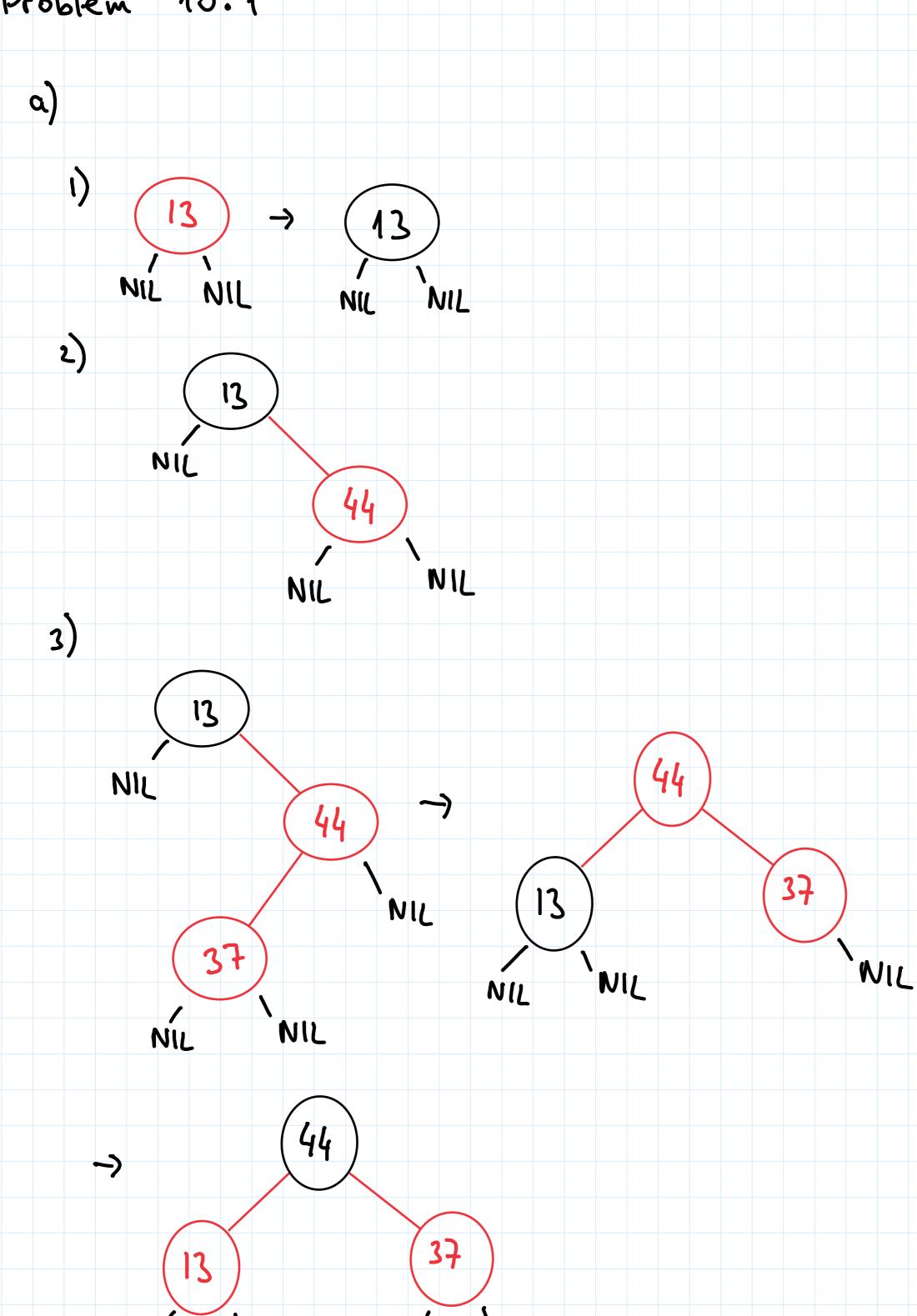
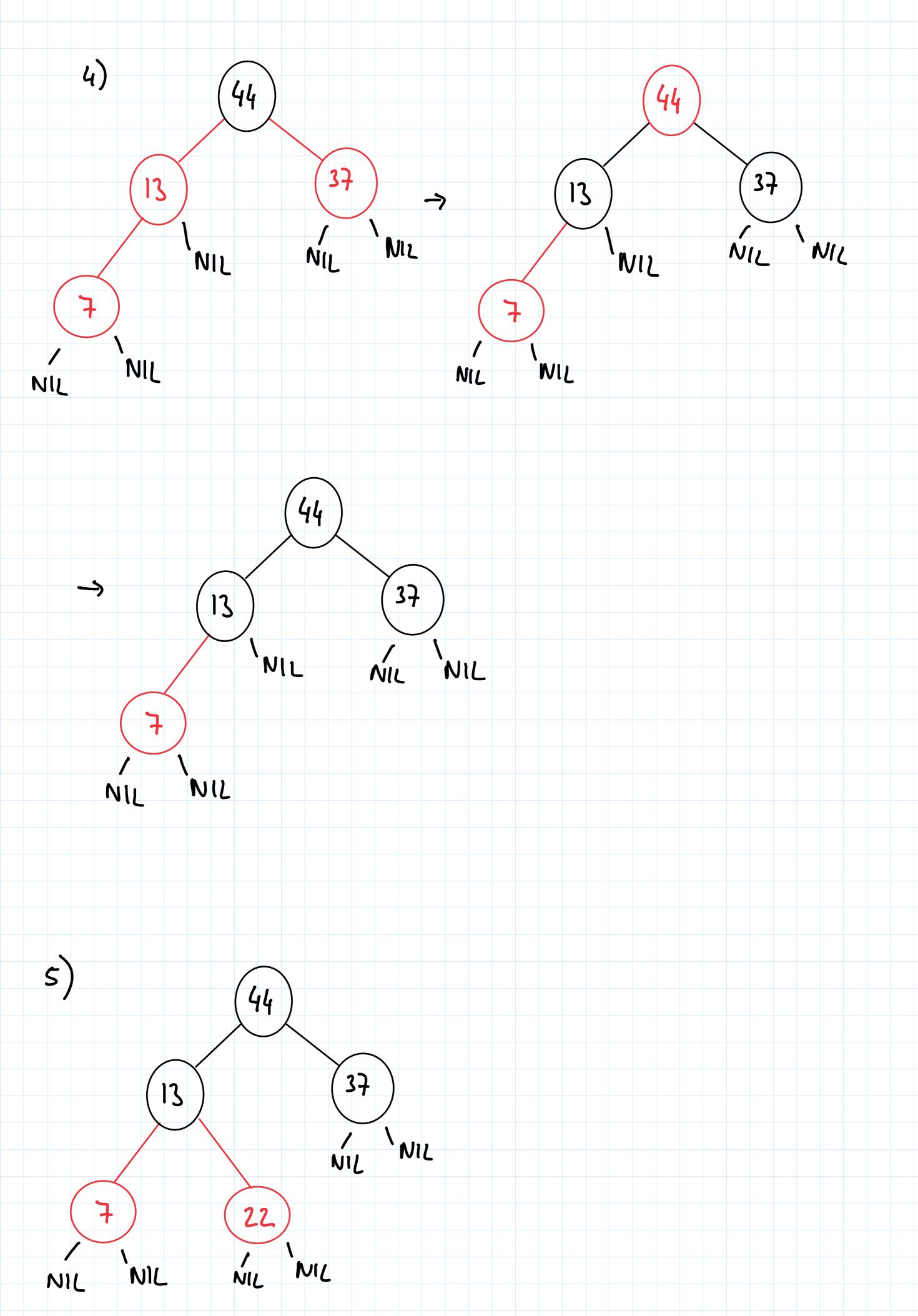
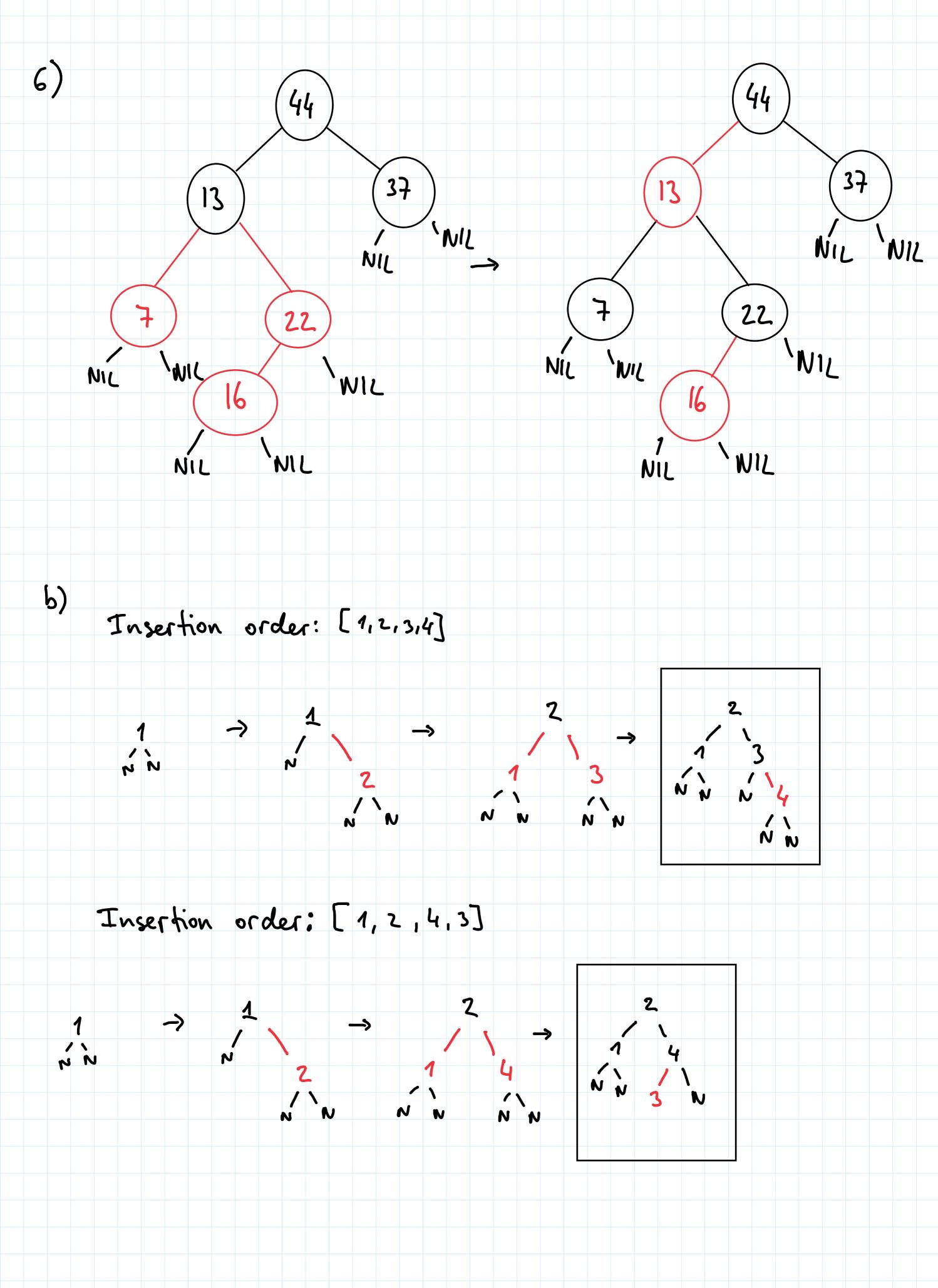
Problem 10.1



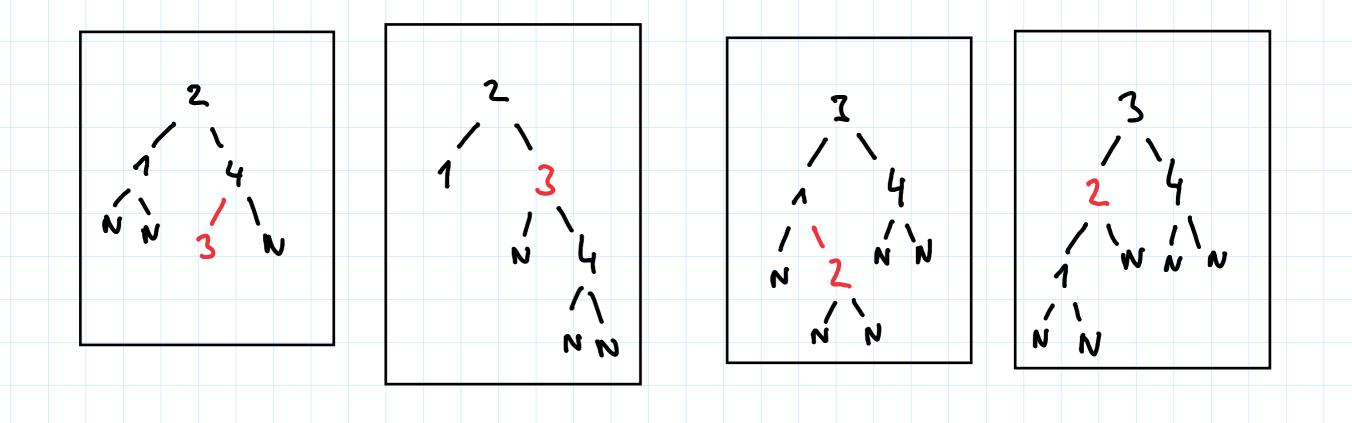




Insertion order: [1,4,2,3]

Insertion order: [4,1,2,3]

We can clearly observe that if 1 or 4 are at
the root, they will bubble down (1's left branch is NIL,
4's right branch is NIL). This means that either 2 or
3 has to be root, producing the possibilities:



Notice that we can swap around the two elements in the longest subtree, but one the smaller number must be red, as to maintain the properties.