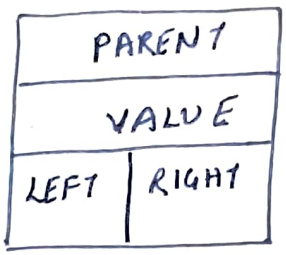
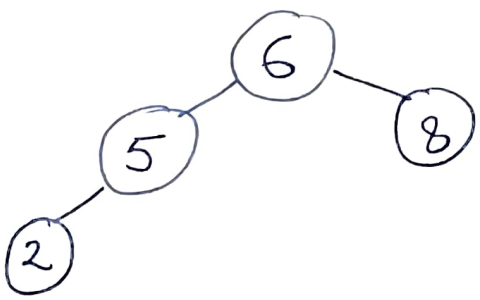
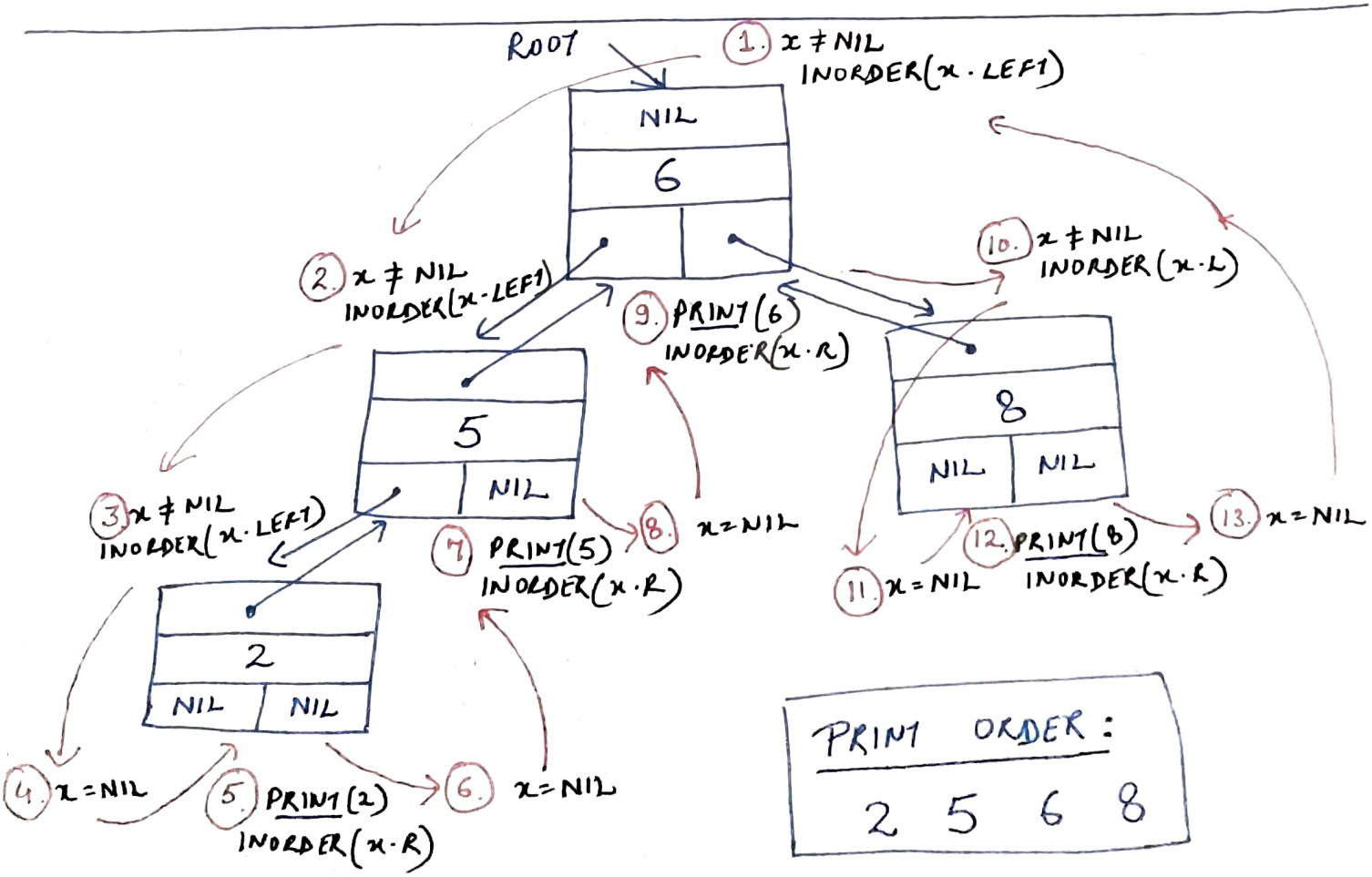
BINARY SEARCH TREE

* NODE REPRESENTATION :



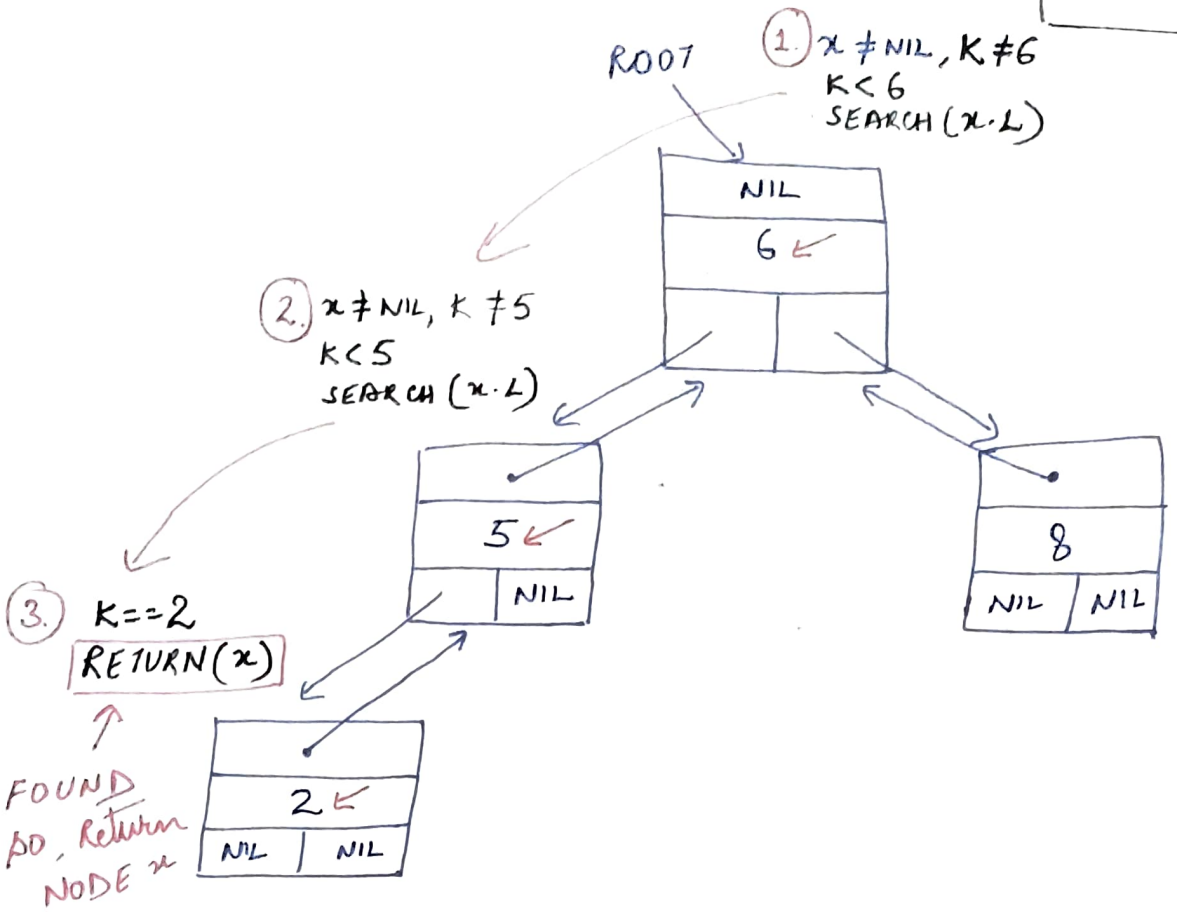
* TRAVERSAL (INORDER) :





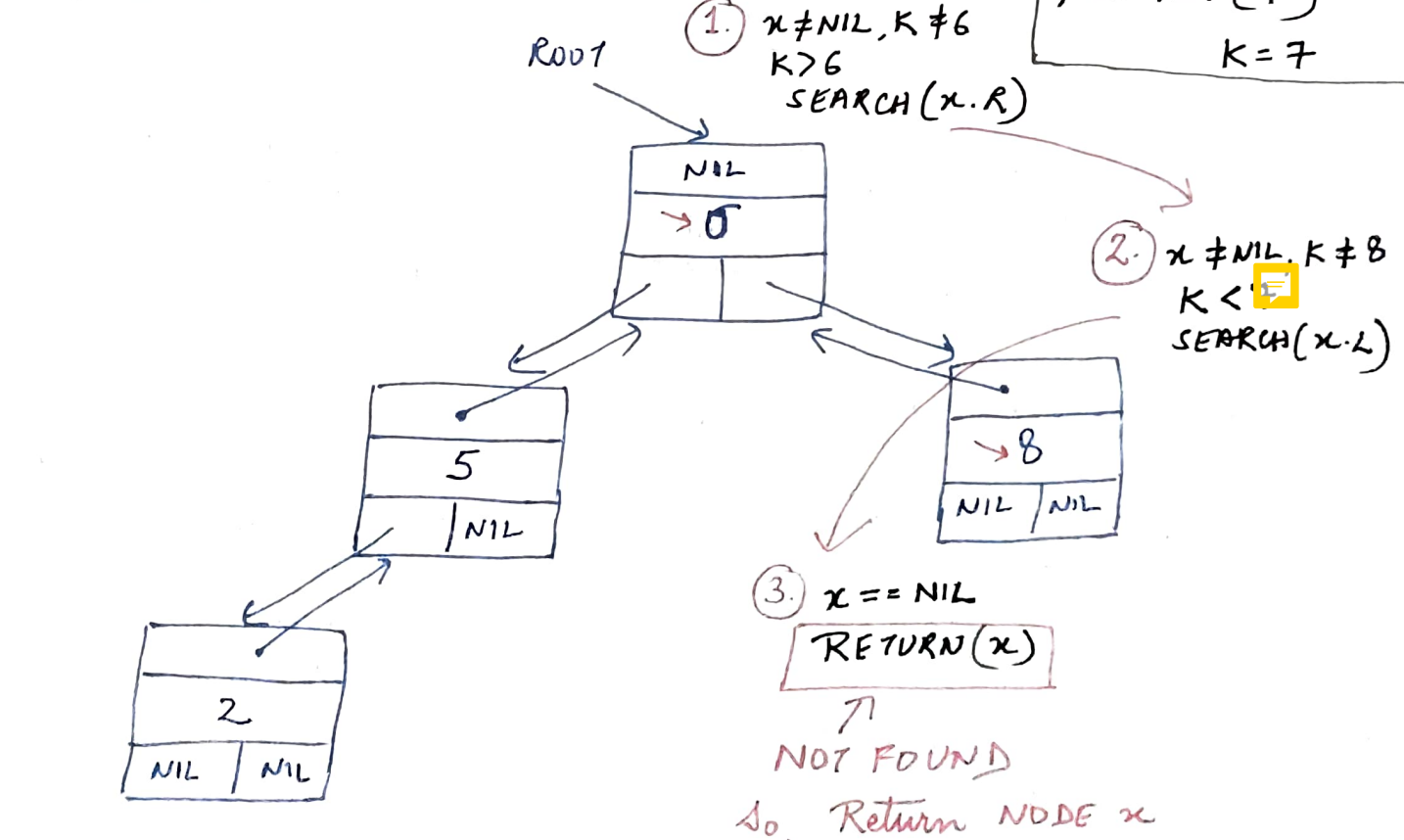
✱ SUCCESSFUL SEARCH

SEARCH (2) ie. K = 2

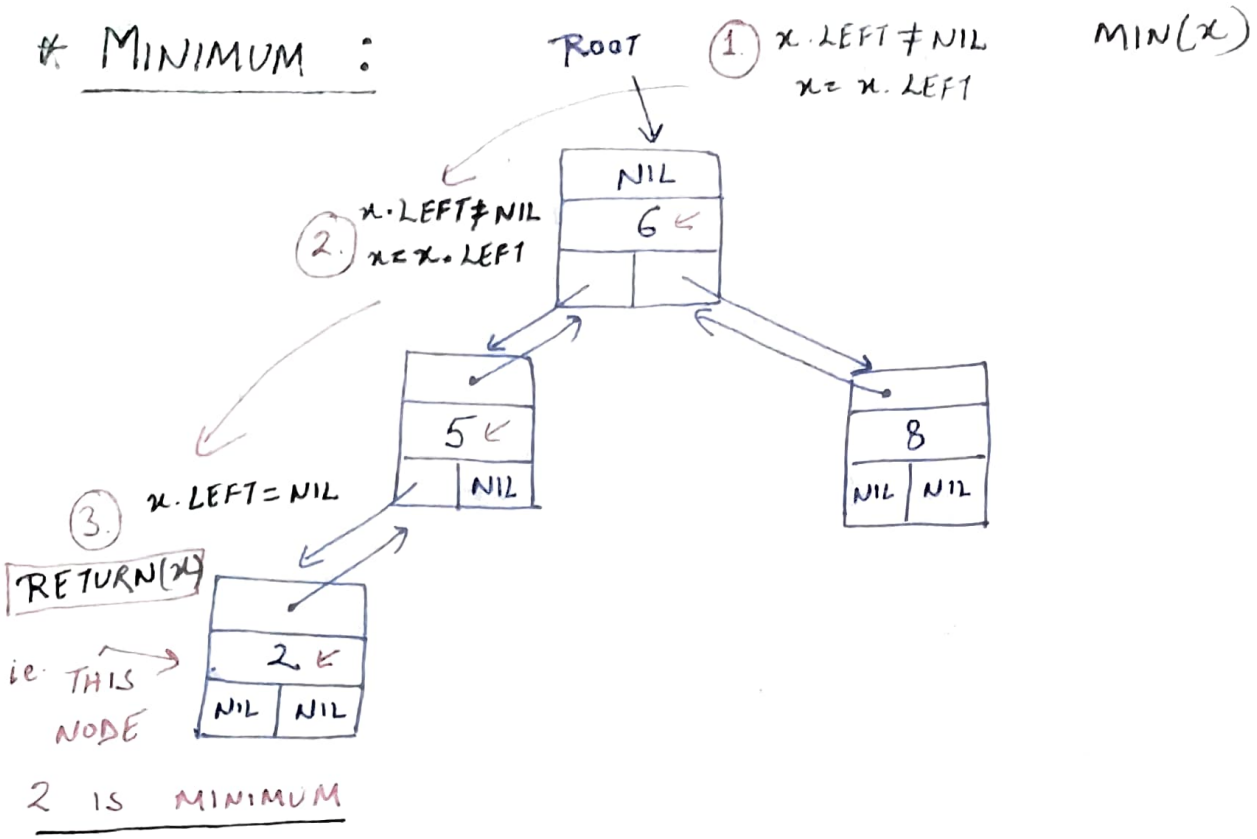


✱ UNSUCCESSFUL SEARCH

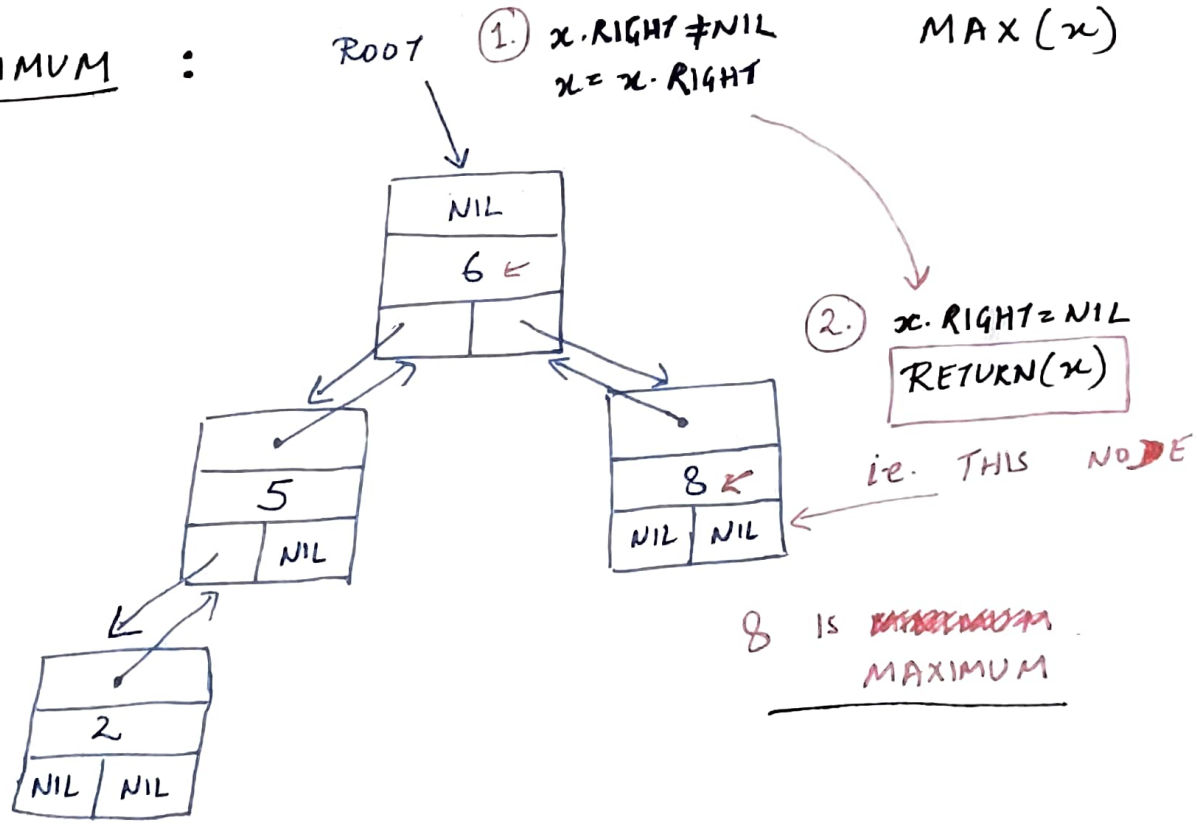
SEARCH (7) K = 7



* MINIMUM :



* MAXIMUM :

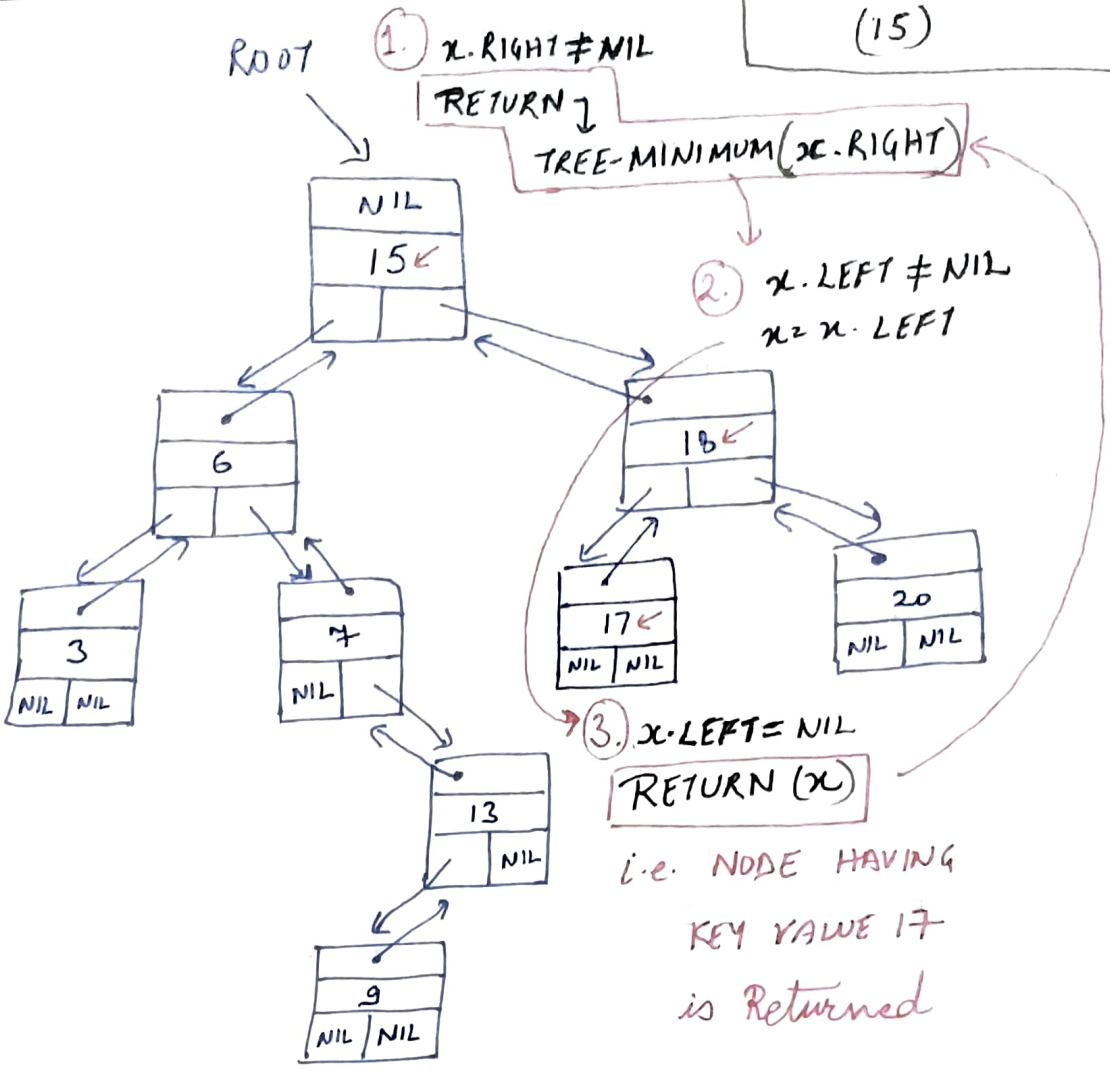


SUCCESSOR (x)

x = ROOT NODE (15)

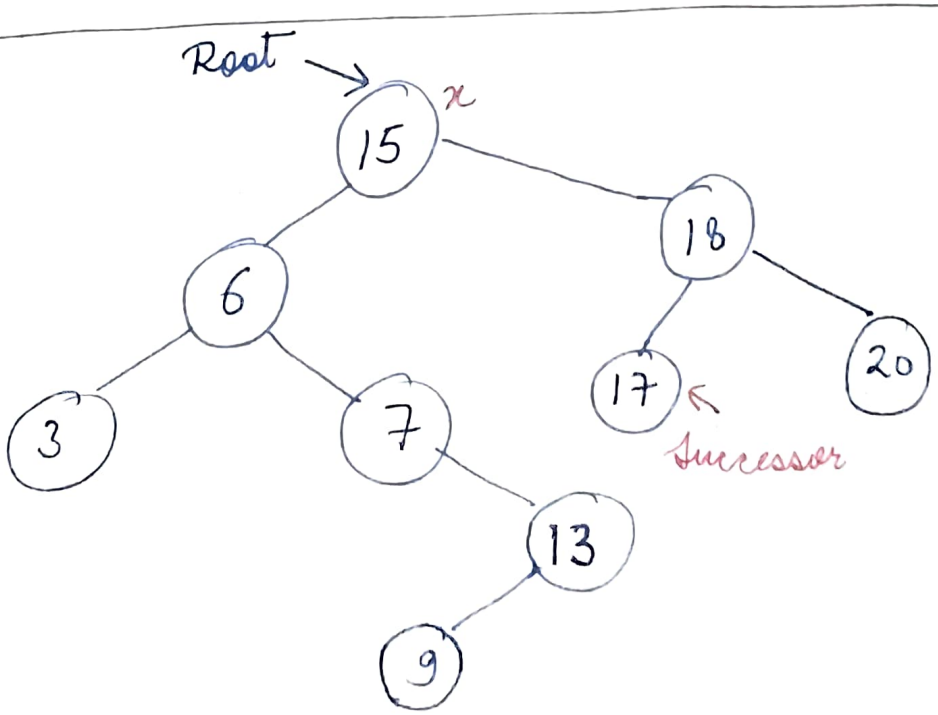
* TREE - SUCCESSOR (x) :

CASE - 1 :



So, Successor Node of 15 is 17.

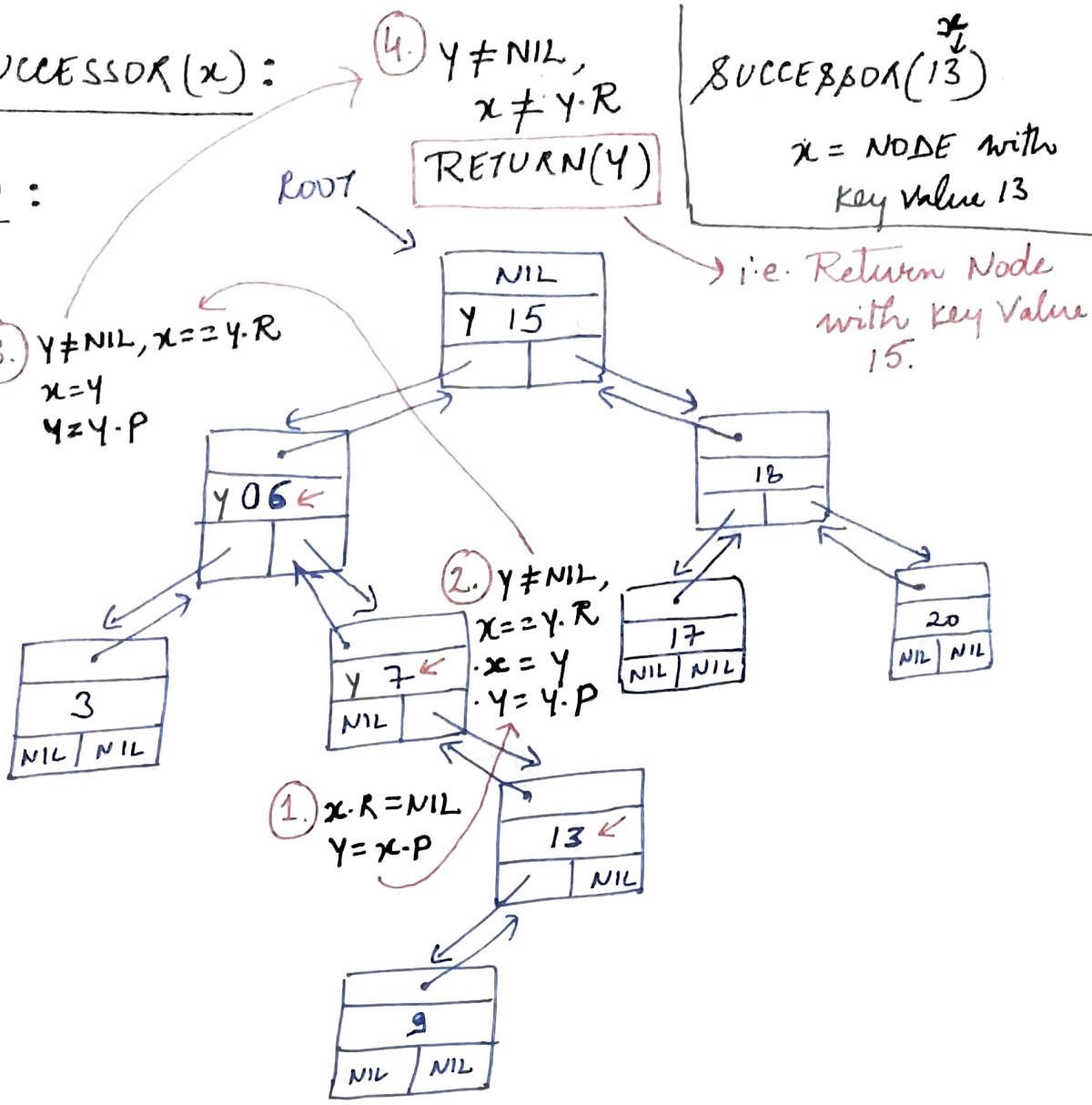
CASE - 1:



*TREE-SUCCESSOR(x):

SUCCESSOR(x) — x = NODE with key value 13

CASE (2):



So, FOR 13, 15 is the successor node.

CASE-2: