```
1BM1815038
                                                          18/11/2020
                                                          TH
  Node * BST Insert (Node * root, Node * pt)
      (f(root == NULL)
          return pt:
       if (pt -) data & root -> data)
          root -> l = BST Insert (root -> l, pt).
         root -) lespor = root;
        else il (pt-)data > root -> data)
           root->r = BST Insert (root-)r pD:
           2004-)2-) boa = 200f;
       return root?
   3
Cose 1 %
    It parent is left child of pt grand parent
      SC 1: uncle is red only -> recoloring
      SC2: pt is right ctnild of perent's left rotation
       503: pt is left child of parent's right -) retation
Lose 2 0
   pt parent is right child of pt grand parent
        Scl: uncle is red only -> recoloring
        SCZ: pt is left child of parents right - S rotation
        SC3: pt is right child of parent's left > rotation
```

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