Write-up Red-black tree (insertion) [ALGORITHM] Let x & newly inserted node 1) Perform standard BST insertion and make newly inserted node as RED. 2) of x is good, change the colour to BLACK 2) If colour of x's parent is not BLACK and x is not the root: a) of x's uncle is keD, i) change colour of parent and unde to BLACK ii) colour of grandparent or RED iii) change x = x's grandparent, repeat 2 and 3 steps for new x b) if x's unch is BLACK, i) left-left case (p is left child of g and x is left whild of p). ii) left-right case (p is left child of g and x is the right child of p). iii) right-right case (mirror of case i) ir) right-left case (mirror of case ii)

agas.