DATE:

PAGE: has a co rotaged doites in a red black tree: private void fix Insect (Node K) & while (K' bagest color == 1) & } (typis. Irrepod. Traspod. x == traspod. x) 4i · u= K. pagent pagent . (eft; if (4.colog == 1) { y. color = 0; K. pagent: (0/08 = 0; K. pagent bagent color = 1; K= K. basert. facent; este de E if I k == K. pagent · left) & · K = K. fagerty. sight Rotate (K) K. pagent. (0/09 = 0) K- pasent - pasent . colos = 1) left Rotale (Kopalent - balent) else E i typig. Fracost pasent. gight; ? + (u.color == 1) U. colog = 0 K. bagent : color = 0: K. bosent . Fatery . (0/05 = 1; K = K + basent balent else E

DATE: It (K == Kopagent oxight) ? K= K. pagent; left Rotate (K); K-pagent-color = 0; Ko palent pagent color = 1; Signit Rotate (K. pagerd. palent); it (K = = 900t) & break; Soot: COlor = 0; public void insert (int Key) Node node = new Node(); node bagent = null; mode odata = key; hade left = TNULL; node · signt = tNULL' made · color = 1; y = null; Node Node 1: this root; while (x1=TNULL) { y = x; if (node.data < x.data) { x=x. left;

n=n.signt; node pagent = & it (4== 2011) & soot = node; else it (node-data (y. data) else & g. sight = mode: if (node pagent == null) node color = 0; getwen: it (node pagent pagent == null) } fix Insert (node);