Rad-black trees def insert (K) While K. povent color == 1: if K. parent == K. parent parent . right U = K. parent. parent. left South Sond & If w. colon == 1: Me colog = 0 K. parent. colos = 0 100 - 10 - 10 END K. parent - parent. colon = ! K = K. parent parent else, avon if K = Kupovent- left K = K. povent Self. eight - rotate (K) K posent posent color= 0 K. posent, parent colos = 1 left rotate (K -> powent -> porent) else: K > p > p > right u. (0)095=1: u. Wolon=D K. porent. Color=1 K. S K. Sovent. parent

else: If K= K. parent right
K= K. parent left\_ rotate (K) K- porent. 60/09= 0 X > b > b > C = 1 sight - not (Kopop) if [ k = = 200t): break Proot -> colour = D