Analysis_ The non-recevetive steps takes of the tratements. space into two halves, using a linear so our T(n) becomes T(n)= S C if n<2 2T(n/2)+cn if n>/2 for some confact c 80/ vong reminence everence

everen so at every level, tu level com remains constant which miaus. Depth of the true is lope and root is n O(nlogn) term tu numby time is o(nlojn) This worning time is achieved because at every level we are splitting the space into two halves using the median as the dividing line.