Hashmap Known to be 0(1) but it's - Chadwith () diff for O - Terminator diff typia House not HashMap (adding)) do storing · Go to a · Check if t is child o use add il-Los (Searching) "note" A Delute + (Start with · Go to each better node I check if note " do" child has next . Inst search -make the · Direct check for for chied & last rode as turis aloc no red to hou-terminating Ex "ne" OR chick for terminator isies reten - make the privious Jake. to last su de poeur to Nauc

Side our

dieNode Structural dupounation is End =? Children 7 dri Node () chiplus = no dri Node (26); Bodeon is End = Jake; Clas Die 1 100 t = new Str Node (); void einseit (String word) of di Node node = lost. for (ent i=0; i (word. length (); i+e){
clan c = word.charAt(i); if [node. children [c-1 a'] == nully} node children [c-'a'] = nes duNale(); note = node children [c-'a'];

boolean search (String wood) { public dri Node node = 100t. for (unt i=0; o' word length; ite) char c = word charAt (i); if [node children Ie-'a']== null) pode = node chiedre Te-à]; return node-is End; // Chick if wored end public boolean (Hout With (String prefix) & du Node rode = sot; for (lut i =0; ix prefix length (); in) Char c= pujix charAt (c); if (node children [c-'a'] == noes) return fate; no de = node. Chiedun [c-1 a']; relieu tun;

Scarel Wired Add and add ("bad") add (" dad") add ("mad") Seauch ("pad") -1 toke search (" bad") - full Search (". ad") - free Search (" 6.. ") + ful add - Simple Susel not - the dot there plus of 5 oot - still with any hard - Check code ou githels : live go to all chi FOI 11111 Cumilus

