

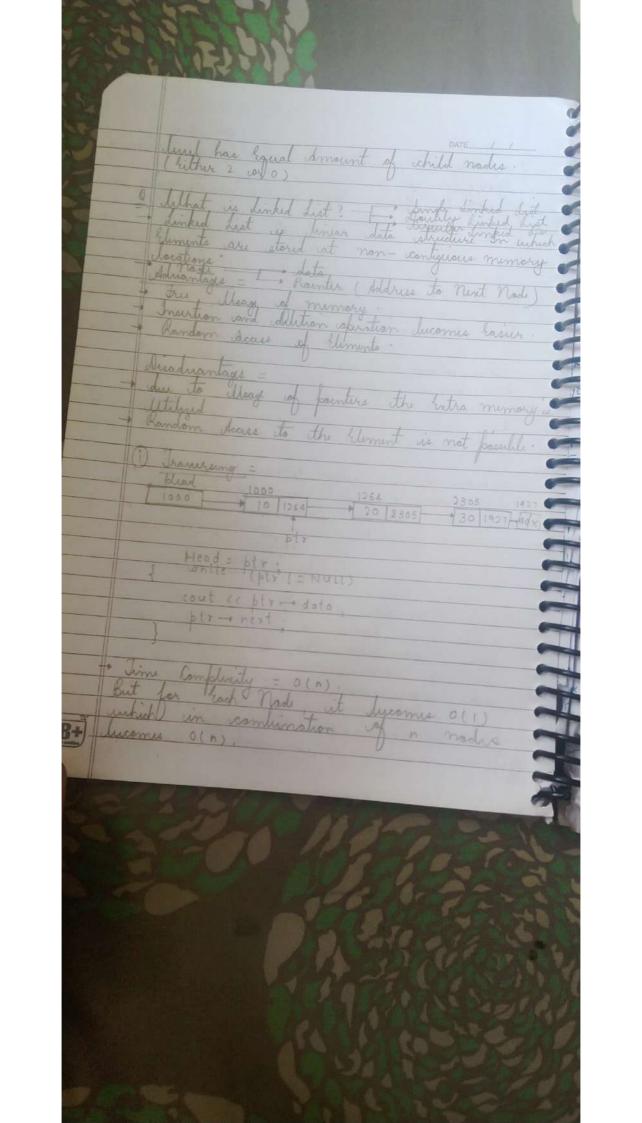
9 AVI Jul = It is used to halance the chinary true without a right it's hight is not being it left whened or right skund halance factor must rang between Balance Factor = ( deft Sultru-Right Sultru hight skund - kntistockumi Search - deckure Apart from this In Search - deckure I from according to Identified Eliment which we have to Search. use which I blement that, hach Index location first Index location and Index position's nature where the rlument ound But have time complisity = 0(1) - It the Element which Alina, no need I to be searched lamplinity = 0 (n) - The Element Worst Case flyment At last Index position from oth Index posi loop hina tion to oth Indea. position. Idashing = datastructure used to allocate linear Eliments in hash the try to hach unctions. Collisions in There, are two lonsto Charning Dan Hashing s

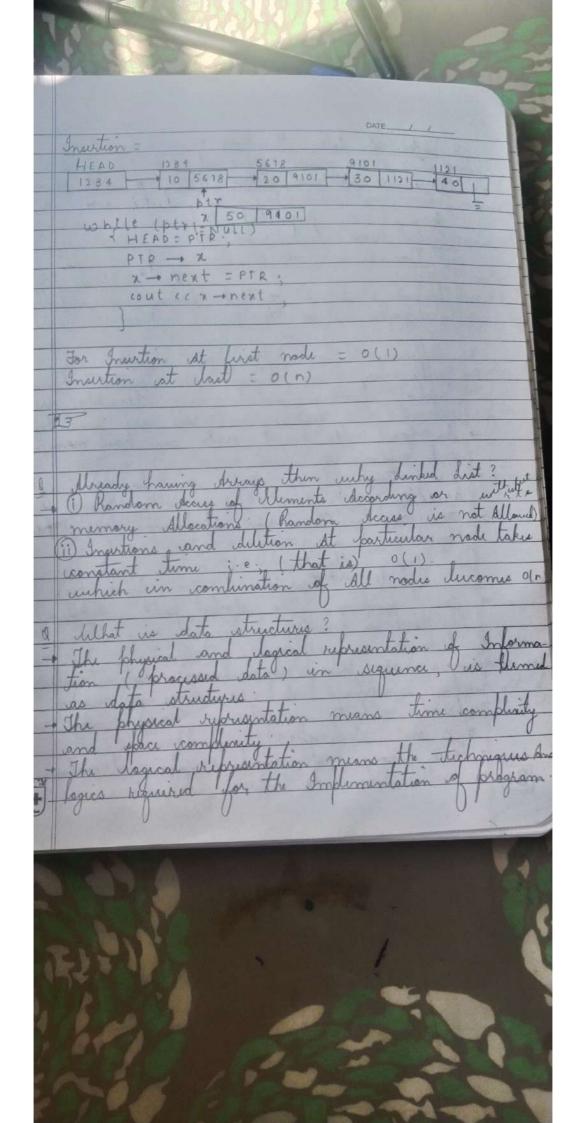
collegions and is further divided into three parts

Duadratic Proling

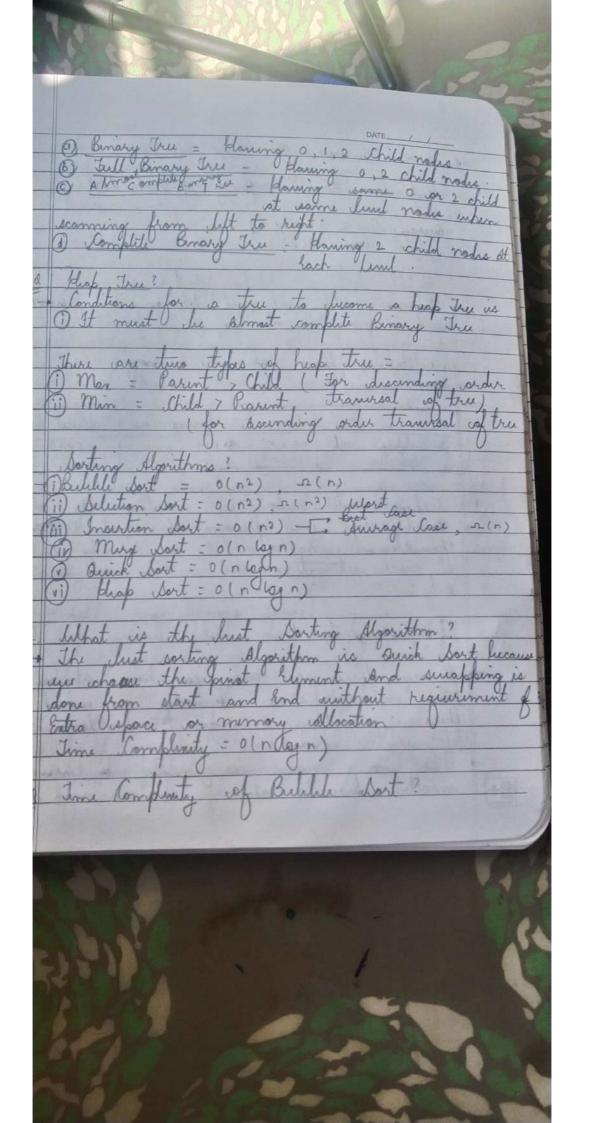
Dischle Proling a dinear Hashing - Find the modules of Element with rest to given hash function of Element with rest to Allacate the Index position seconding to the modules to the Index position is not limbly then ple to blement to quether limpty memory location (Index). 6) Quadratio Pholonia - First find the madulus of the Ument will be guin hach function.
Class the Mount of particular Index decation the particular Index Socation is not free and bring then thick you dring to your formula : \$ (p) + 12 - Phole Neumber Index position ( which is not Index Prairies future the D Double Proleing the madelyes of the Element according to given frach function U

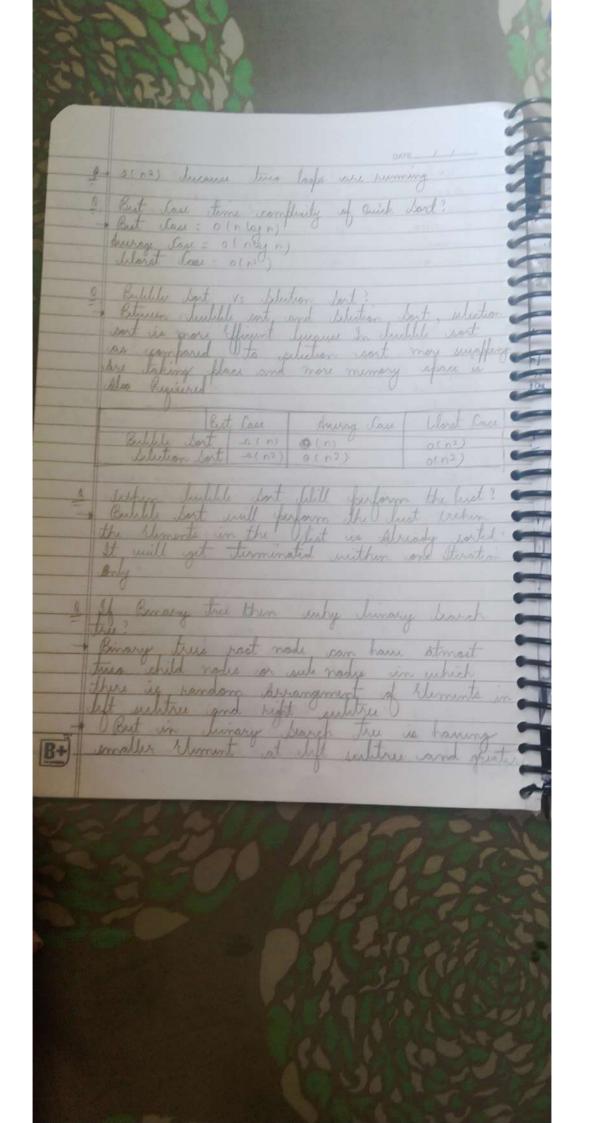
datastructure, in Briary Dearch True = must Binary starching Easier and lucome Glimento Searching Diquerce tru in The lunary Complete Binary Tru =





data Structures? Linked - hit "te. Rements (data) is not First bilarch from butt first such y throne and Ilsed rume Aporthon light attracting the Subrodis done not make cyclic structure





right substrue weithput to the nost to which transcrad bearding nodes in the true becomes before Root Right Root Right Root Tucomes affluent nourlier of nodes un horder = Lift Root ruorder = Root Lift Routorder = Right Lift structure? membry all Dures dynamic memory concepts. le Allocating LCOON structure many data wond allocation having single for mimory cargument Search? hinary Searching inding middle

dast Element as mid functions performed on pring? algorithmen for traversal n as the next limit, the root limit stacks Ratorder = RLP . Enplain Stock and ances? ! cucture un unhigh

Insertion of Elements is Extraction neution = 0(1) 1 Deletion = Marions Counter Rear . -0 (1) Insurtion = Engueue Deletion : Degelene Transfering = O(n)

