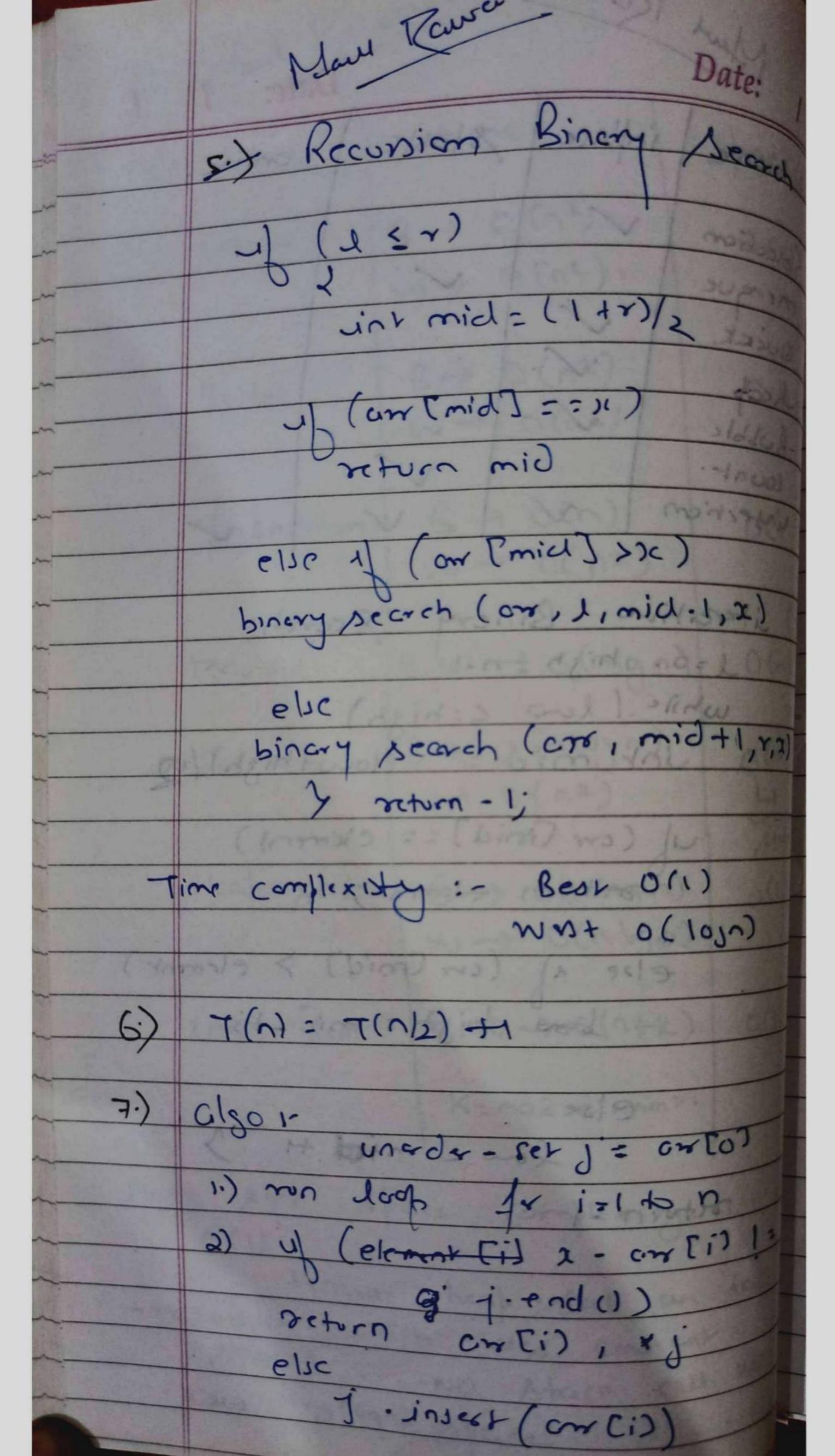
MUKUL RAWAT, CST-42 Date: Jutarial-3 hincar search in sorted any int ide = -1 44(i:0;i<n;i++) u) (cm[i] = = search)
idx = i; break; 4) (cm[i] > search) break . return idx; 2.) interative insertion unt i, temp, 1; 14 (i = 1 to n) temp = ow [i]; while (j>0 & ar [j] +emb cm [j+1] = cm [j] ; j--j cm (i+1) = temb

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J (n 2=1)	1007/31/97
returnjo 6 m	
josevian - sar (	c~, n-1)
last = antn-1]	Shield D
1 = n-3	
while (j70 d	CW [i] > (cut)
con Citiz = con Ci	i] i i;
100 (npln)05-04.8	32-77
cor(j+1) = last	
insertion sect is K	
antine Sorting becau	THE RESERVE OF THE PERSON NAMED IN COLUMN 2 IN COLUMN
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/	Selection	B - 0 (n2) - 1	000	
	BUSLIC	B -> 0(n2) W -> 0(n2)	100	
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Meap sert space complexity is				
-re wrich (which were contract				
caus o(kgn) space.				

Mand Kawah Date: inflace 4) Name Stable conline. Selection mirque Quick heap Bulble 6001ungernion () iterative Binery Secret 1=0. high = n-1 while (low (= high) j' int mid = (lowthigh)/2 of (con (inid) == ekment) else 1) (con (mid) > element) (101)0 + DV W Some wish = mid -11; else las = miled H ついかいつ -1



Mand Caw Date: / 8) abject ser for general purpose. Sin stability is important & space vi craileble then mirge sart us b001-g) Inversion denote how for a creay is from being sorted. of invenion us 'o' array is Jasta Invenion us MAX uj commy us in descending order. (i) ans (1) (m):- m) (1) (m) cm[]: 47,21,31,1,10,1,20,6,4, (101010)0 7,21,31,8,10 1,20,6,9,5 7,21,31 8,10 112016 2,1 7.211 1,6,20 8,10 jov = 1 1,4,5,6,20 7,8,10,21,31 (inv = 1+4)

Valant 100 Date: 7,8,10,21,31 (inv=4) 120 1 37 4719 2100 1,4,5,6,7,8,10,201,300,20131 inv = 4+5+ 3×4+ 52x2 - 4+5+ 12+10 Mons = Il inventous rolors in? when firer is always on extreme quick part will give O(n2) time complexity. of fivor us alway is O(nloso) complexity. Recumence relation marge = Tin) = 27 (0/2)+0 b) Queine = 7(0) = 27(0/2)+0 00 10 100 1(0) = 7(0-1)+0 (virw) time complexity of

Hawl Towar Date:

(21) just change condition of get stelle Melechian 1-64

chose (on [1] < temp)

min = (

a) (crr [i) (temp)
min=i;

boot is - sected

for ( ;= 0 ; < n-1) i++)

US-SONTED = fatte true

4~ (inv j= i+1; j<n-1; i++) 2 uf (cm (j), cm (j-1)) is - surred = false 3

4) (is-sated) break;