Class 9 - ArrayList & Sorting

Saturday, May 3, 2025 10:39 AM

Ladone's Algo

- Array list

a Dubble Seet

Maximum Sum Subacray

1(3), 4, -2,0]

Sum = 5 [3, 4] [3, 9, -2]

[3,9,-2,0]

ans = 0;

for (i=o; i=n; (++)s

sum = 0; for (int j=v; JEn; JH) [Sum+= aer [j]

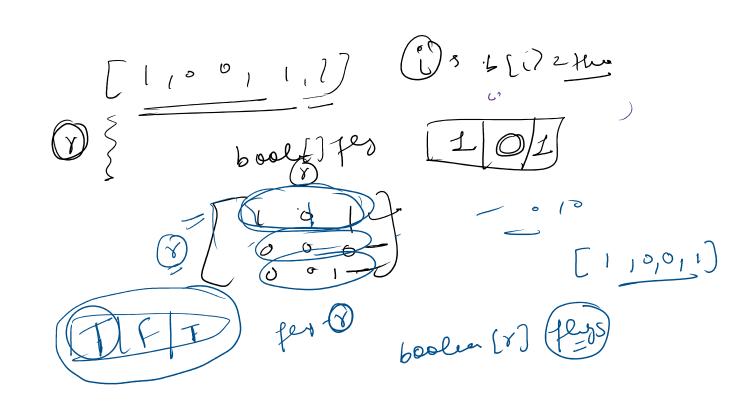
g (sun s a o) 00 = sun)

Array list

7 Pm blem with arrays is - Size is fexed.

J

[CROD] int all = new int [10] - Arroys a[5] = 15, - Array Cist is a dy namic sized # Memoly management of Array lost Arroy like (In teger) are Asper 60 (). B [1-10] 5 0(1))-1/(II) (-> O(N) 1-[000] 923X1+ 7X 17(1)3 Lms



Souting

2,1,4,3

Subble Sout
[1,3,2,2,2)
[1,3,2,2,1]

(3, 7, 2, 9)

20120, 40, 10)

20,10,20,40 20,10,00,40

The Complexity Analysis of Bussle sont

Woest cose $O(N^2)$ I'm reverse souther

Serr cost O(N) - already

The souther than the souther than

Aceg (ax - O(N2)

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(0, vo, 3°, 40

~ L ~ (10, 10, 40