difference h/w (max and min) Span = max - min; Syso (Span) 2 (1 (5) 7 (3 (4) Sum Odd = 12 Sum Even = 10 \Rightarrow (i 1. 2 = =0) 1 >> (1 7.2 = = 1)

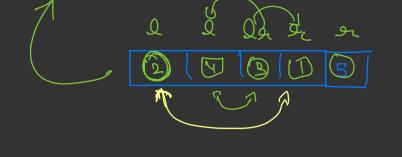
Ques Je element Repeated

(a) = Input

Us a is present more than once a = 1/1/a = 0 11 not repeated

052 count = 9 x \$ 3 a>= 2 // repealed S count =0 for (i=10; i < arr !engtl; i++) 'y (cor [i] == a) [count ++; 'y (court 2 = 2) Syso('expected"); else syso ("not repeated"); Sum of 2 Astrays 1 2 1 9 7 3 Max of these +1 0 4 3 5 7

1 2 / 4 / 3] carry = 61 Sum = \$ 9(12) Sum += coare[i] Sum += coary ER = y susult [k] = Sum 1. 10 Coory = Sum / 10



left =0 sight = 4

constitutemp = arr [loft];

arr [left] = arr [enght];

arr [eight] = t emp

Memory

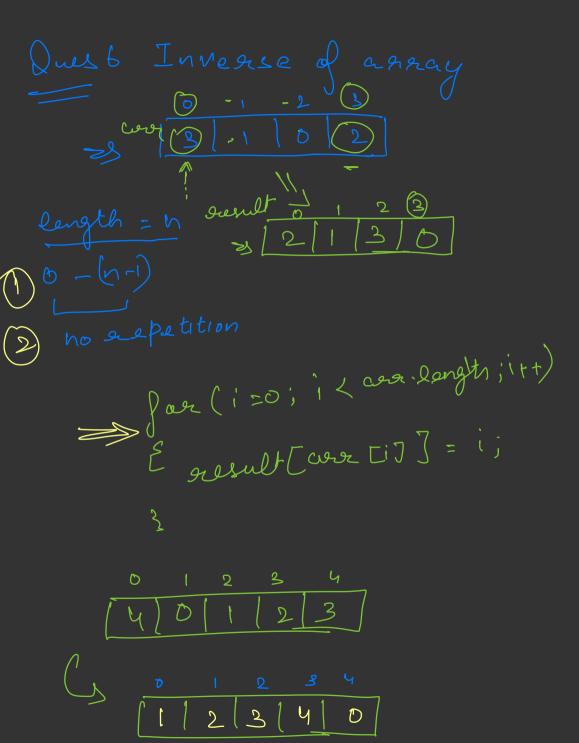
temp 2

yk

voir yk

Stock

Heap



Par (i=0; i < a · length; i++) vines [if (a[i] = = el) idx = i; mid= 47 \$6 while (L<= 2) E mid = (1+2)/2; If (aser [mid] = = val) E

(dx = -/ 24 8 6 idx = mid; 2 = mid + 1; else if (val > also [mid]) E Q = mid+1; 3 else { or= mid-1;