	Contest Information
Date:-	20th March (Testative) 7:00 AM 1ST
	1.5 hrs
	Discursion - 8:30 AM 1ST
	Parring Marks — 60.1.  Total 3 Questions  (arightage may vary)
Absol	utely necessary to appear for contest.
What	Appear for the realtempts.  Total 3 realtempts
	endeavour should be its clear live contest etself. Realtempte as only for
•	ional cases.
ond	b prepare? Solve assignment questions religiously keep PSP alove 90-1-

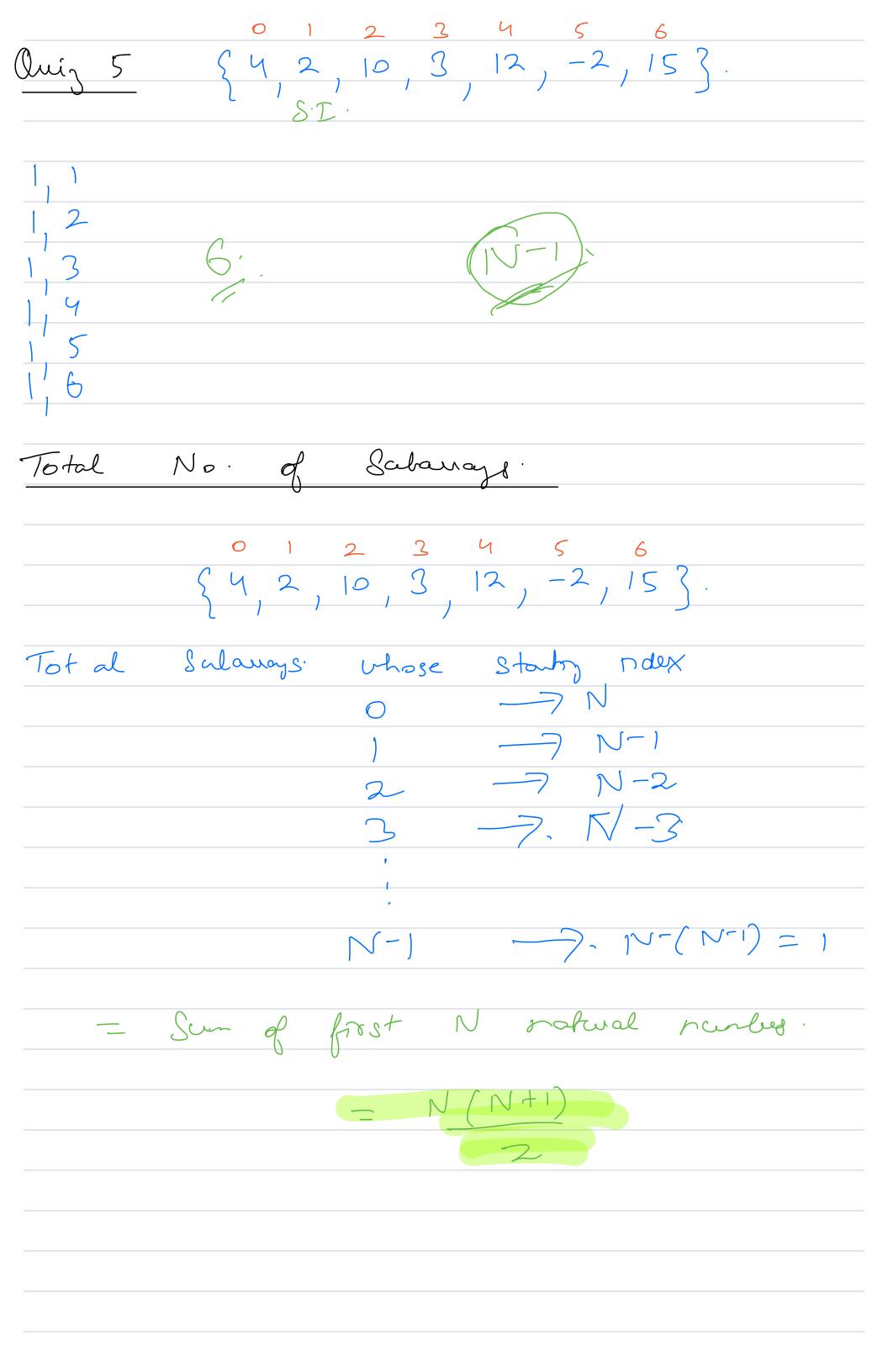
Oil. Given a story of lowercase characters return the cocert of pairs (1,1) such that s(i) = = a' ond i<j String s = 1 abegag Story S = acgalgag" 0 0 5 Ot = 4. 0 1 2 3 4 5 6 7 b c a g g a a g" Story S= Our 2 a 2 2 5 6 any = 5. 934777

Solution Force Boute ON = 9 VXXXX8 Cont - ag (Story S) { for (1-0; 1 < S. size (), 1++) { for (j= i+1', j < S. 813e()', j++){

)pfinised Solution S="acbagkagg" 2 2 2 3 3 3. Cort-a = 0 1 1 Cout - as (Storns S) q Int on = 0; pt court A = 0;  $\int_{0}^{\infty} \left( i = 0, i < N, i + 1 \right) \xi$   $= \left( S(i) = -i a \right) \xi$ elce of (S(i) = = 's') ons + = CoulA;

Subarrays Introduction 6 4,1,2,3,-1,6,9,8,12 924166-378,43

a Subarra Represent Two ways !-Stat index & End radex. Start modex & longth of a fabaurg 5 1 2 3 4 5 6 7 8 { 4 1 2 3 -1 6 9 8 12} Subara,: {2,3,-1,63. Suborg -> S.I -> 2 E.I 7 5 一 S·I - ラ 2 layth -> 4. S.I. 1 2 3 4 5 6 2,10,3,12,-2,153 0,0



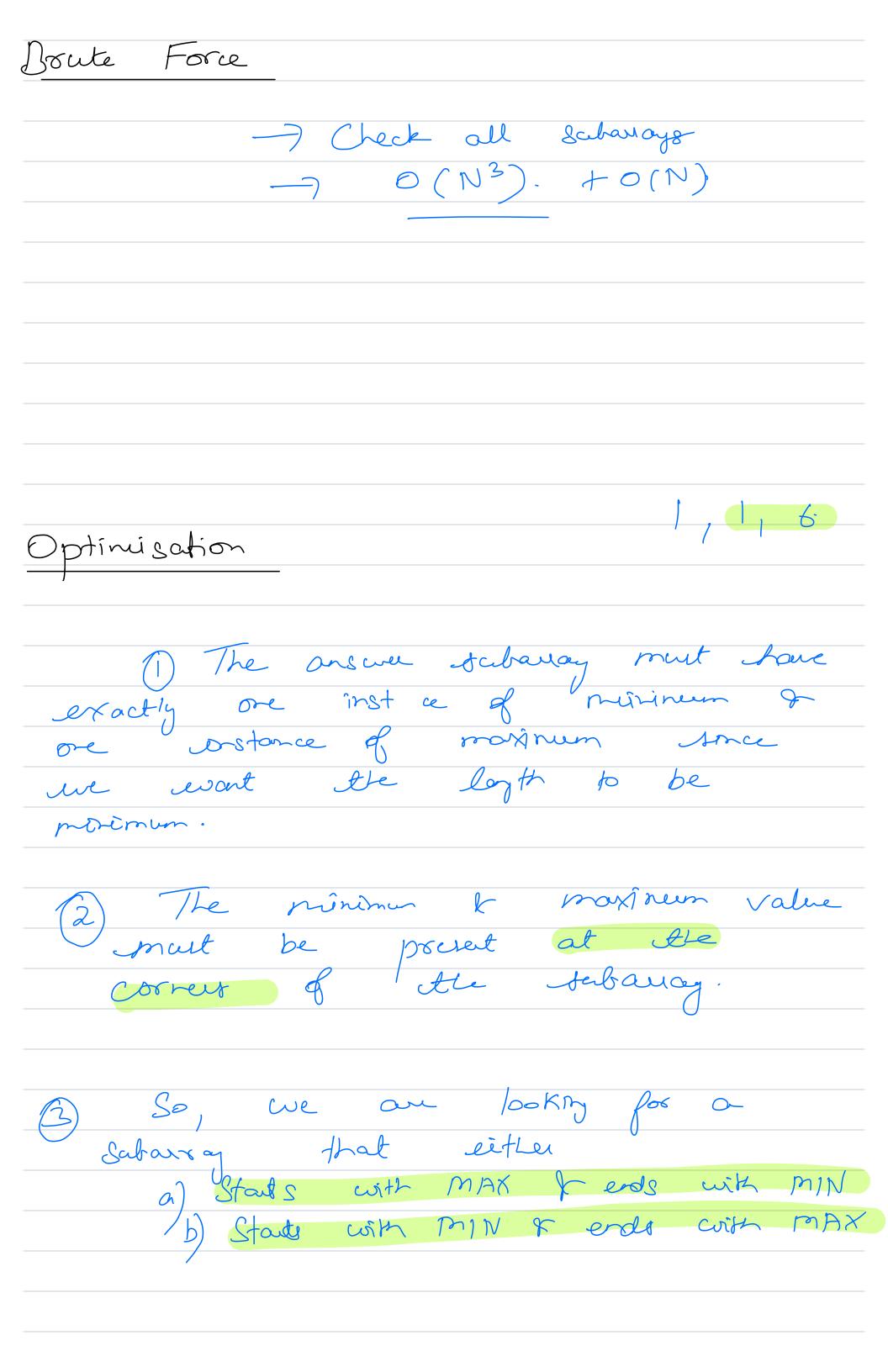
<b>\\</b> '	Given	an a	nay	and	Start	& end
Tode	x of	148	Suba	Jay.	Port	r end
S ->	$\begin{array}{c} \times \\ \times \\ \longrightarrow \\ \times \\ \times$	0 1 4 2 ,	2 3	1 2 -	5 6 -2 <sub>1</sub> 15	3.
void	•	ibanag [=S; port				int e) {
3				T. C — 7 S. C — 7	0 (N) 0 (1)	

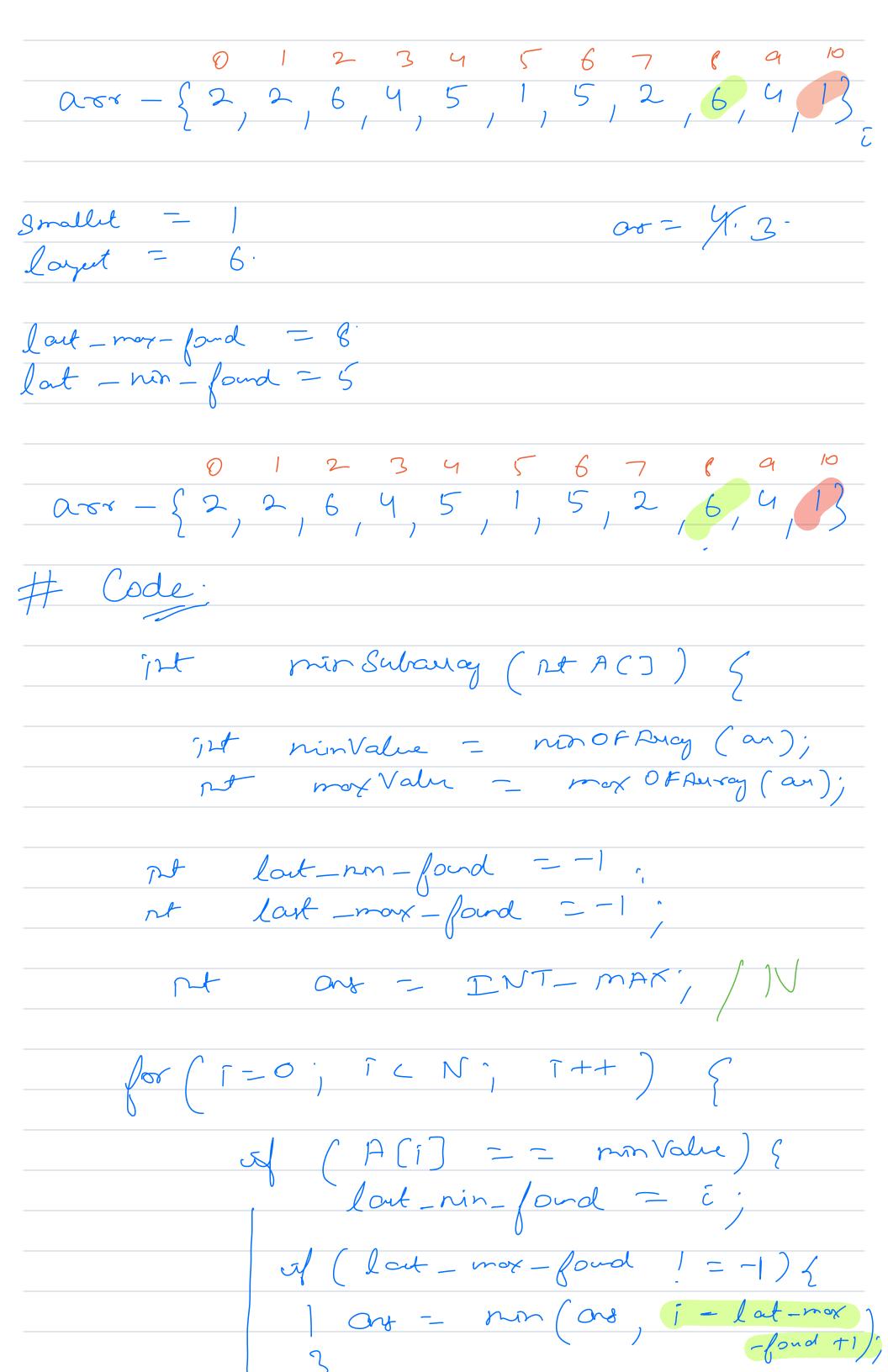
O:- Point all possible subaways of the  $a = \{1, 2, 3\}.$ Ex: £13 £23 £33  $\{1,2\}$   $\{2,3\}$ Si, 2, 3pront All Subaways (1st an (7)) {

(1) Generate all Subaways.

for (8 = 0; S < n; S ++) { void for (e - 8; e < n; e ++) { for ( i=S; ic=e; i++) {
point (an (i)); 3 Brich Ine.

O:- Given an away of Nittegers, return the length of smallest Sabaray which cortains both maximum of movimum element of the away. 6 0 1 2 3 4 5 6 7 8 9 10 au -> {2,2,6,4,5,1,5,2,6,4,1} A[] - {[] 2 3 4 5 6 7 8 9 A[] - {[] 2 ] 1 3 , 4 6 , 4 , 6 , 3 }





celse of (H(i) == mox Value) { lat-mox-found = i;
if (last -nm-found 1 = -1) { Ort = nin ( ort, i - last-nin -found +1); 1 C - 7 O (N) S-C -7 0(1) Next Clay. (1) Slidng Cundow. (2) Cortoibution Technique. arr - { 1 6 4 5 1 5 , 2 6 , 4 1 }