$\rightarrow 65$	$(\alpha) \rightarrow \alpha \gamma$	$10^1 \rightarrow 48$
'B' -> 66	172, -> 08	11' -> 49
	(	1
$\frac{1}{2} \rightarrow 90$	12 -> 122	$19^{1} \rightarrow 57$
Freeze	character.	also has its
Los sepon	ial character of ASCII	Salve.
	V	
	u of space	
32.		
Some Operation	S.	
Crac by	ch = (chou)	
		A
(2) Char e	-h = (char)	(a + 1);
pri	= (char) $+$ (ch);	
		(b)

3	int	Toint	- = (x)			97		
Proble alpha Pront each		Given (Le	o- ether ston	Stoing Joans	cor are	resistry	ipper	ooly case)
each EX!	chai	acteus	1 L.C		J.C /			
Denz	oat:-	FX1- "	a D	3 b H J B J j	- e 11 - E 17			

Observations	
1. To caphabet	smut Small alphabet to capital gubback 32
	onut Capital alphabet to Small add: 32.
H Code	
Story	toggle (char SC7) {
	1 pt $i = 0$ ; $i \in N$ ; $i + t$ )
	4 ( S(i) 7/65 > x S(i) ≤ 90){
	8[i] = S[i] +32;
	3 elre E
	s(i) - s(i] - 32)
7	3
	7.C -7 0 (1V) S.C -7 0 (1).

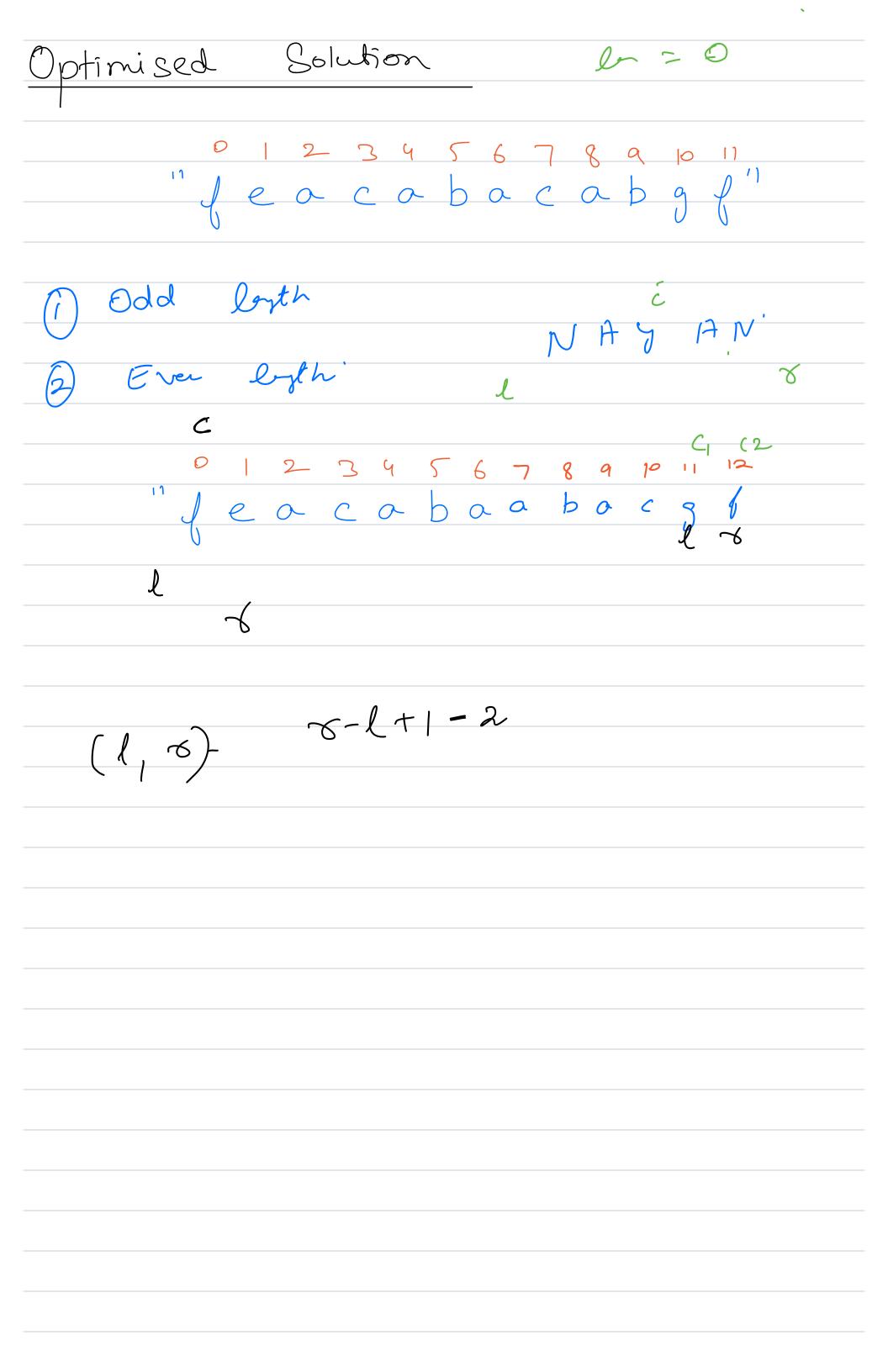
Substoing					
	Sinilar Continuos usithin	to seg	uence storg.	· of cha	racters
A Single Co dabstoing. F	Laracter	Con	also	be	Q.
Sabstoirg. F	ull Sto		Con	also	be o
substoing.					
ex!- "a	1 2 b c''				
	<u> </u>		$\mathcal{C}$		
<u>а</u> Ь	b c				
авс					
	0 1	2 7			
Ouiz 2	" b x	2 3 C d'	1		
<u> </u>				<u> </u>	
<u> </u>			- -		
b & C	* C	d			
b * C d	)				
		2			
N(N+1)		W X	5	-10	
2			7		

Problem	~ <u>2:</u> -	Given	0-	substány	S.	Cleck
- El	it,		olin	substány obome MADAM	01	not.
0	ex!- "	VAY AN"	)	MADAM	1	
				nalaya	LAM	
			D 1	2 3 4 5	- 6 7	g a 10
EX!-	S		0 n	2 3 4 5 a m a d	am	Spe
	Start	= 3		L	1	
	end	<del>-</del> 7		tone	r	
Appro	sooch:					
		0 (	2	3 4		
		MA	y	AN		
[++;			Ĉ		1:10	
<u> </u>			<u> </u>		Chile	(icj)
		AN	$\sim$	P		
		'				
		_	L			
		$\mathcal{I}$				
		•				
		NAV				
		<u></u>	<i>f</i>	1		

is Palindone (char sc), rts, rte) { boolear if (s(s)! = s[e]) { 8. ( -7 0 (1)



Boute Force
L'oute torce Check for all possible voulstorgs
# Code
1st longert Palmdone SS (char SCI) (
$N = S \cdot S$
pt arr = 0;
11 Frky States Iroler
$\int \mathcal{A}\left(\tilde{r}=0,\tilde{1}\subset N,\tilde{1}+t\right)$
JENN Endry Index  JOS ( Nt j = i ', j < N', j ++) {
of (is Palin done (S, i, i))
$a_{ij} = mox(a_{ij}, j-it_{ij});$
5
Jebus ont?
T. (-7 0 (1V <sup>3</sup> )
S.C -70(1)



```
# Code:
              longert Polondone SS (char SC) &
       int
            12t moxleyet = 0; 1.

N = S. SBe(C);
   100 (c=0; ccn; c++) {
             // For odd length S.S.
         in left = c; vist = c
          wlile (left 7/0 left 818tt < N){
              4 (S(bft) 1 = S(vistt)) {
               left - - ;
             or 8tt ++:
         maxleyt = max (morleyth
                         oist -left -1);
          For eun ligh Sis.
                      · ost = C+1;
```

maxleyt = max (marleyth
maxlegt = max (marlegth  3
3
Jehn mofleyth;
- VIII / Layer
T-C-7 O(N <sup>2</sup> ) S·C -7 O(1)
0.00000

$\sum_{i=1}^{n} \gamma_i$	nmutability of Strings
In whice	Java, C#, Java Script, Python & Go, Strings are Immutable h means the value con't be myed.
	Heap Story.
52	33  "Towa" "Hello"  7. S1  "Hello Java" Sy.
	Story Pool
(1) (2)	S <sub>1</sub> = "Java" (3) Story S <sub>3</sub> = S <sub>1</sub> ;  S <sub>2</sub> = "Java" (5) S <sub>1</sub> . conat ("World")  S <sub>1</sub> = "Hello";

6	Ston	Sy =	81.	Concat	(\$3);
	Sj -	= Su			
	Cho	<u>'</u> 1	1		
	N				