

```
Brute Force
```

```
Iterate the string for every 'g' count the
  no. 9 pairs it forms by counting # a's to
  its left
(ount: 0) for (int j = 0; j < N; j++) {
     if(s[j] == 'g'){}
           for(i = 0; i < j; i++){
                 if(s[i] == 'a'){
                      count++;
     }
    T.C: 0(N2)
    S-C: 0(1)
Effercient '
```

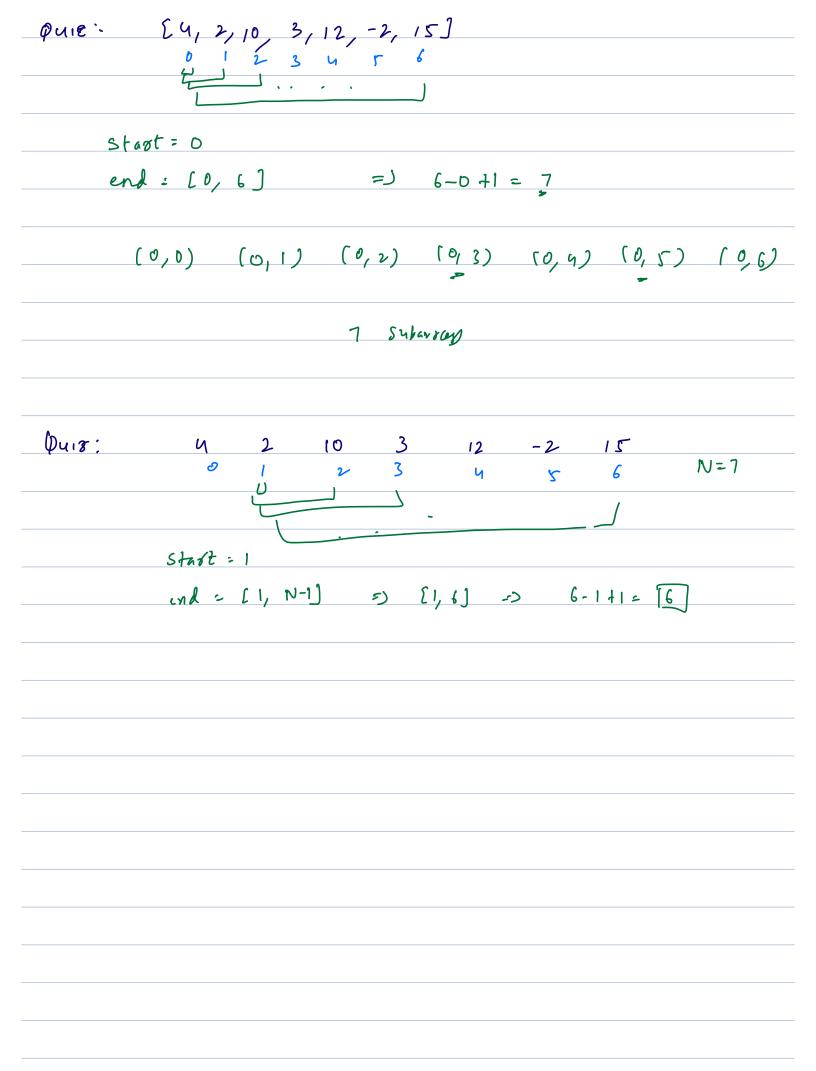
```
result = 0 + 1 + 1 + 3 = [5]
```

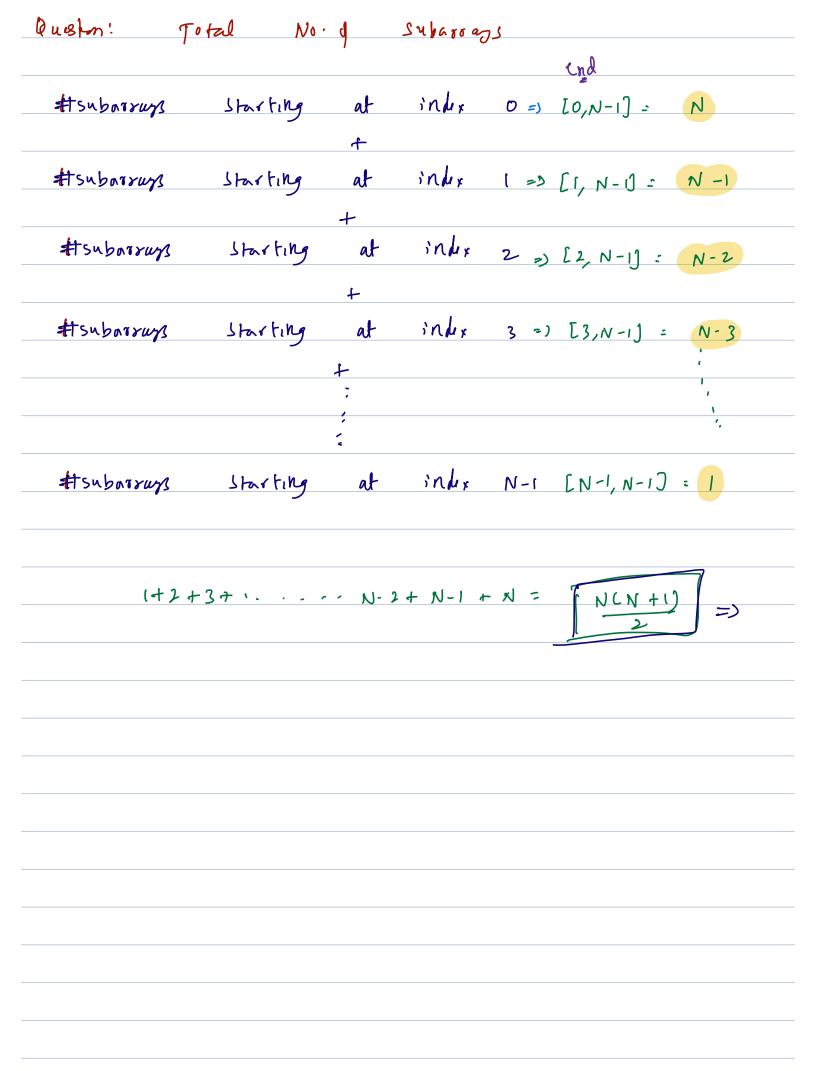
```
function count_ag(str) {
    result = 0;
    count_a = 0;
    for(i -> 0 to n-1) {
        if(str[i] == 'a') {
            count_a++;
        }
        else if(str[i] == 'g') {
            result += count_a;
        }
    }
    return result;
}
```

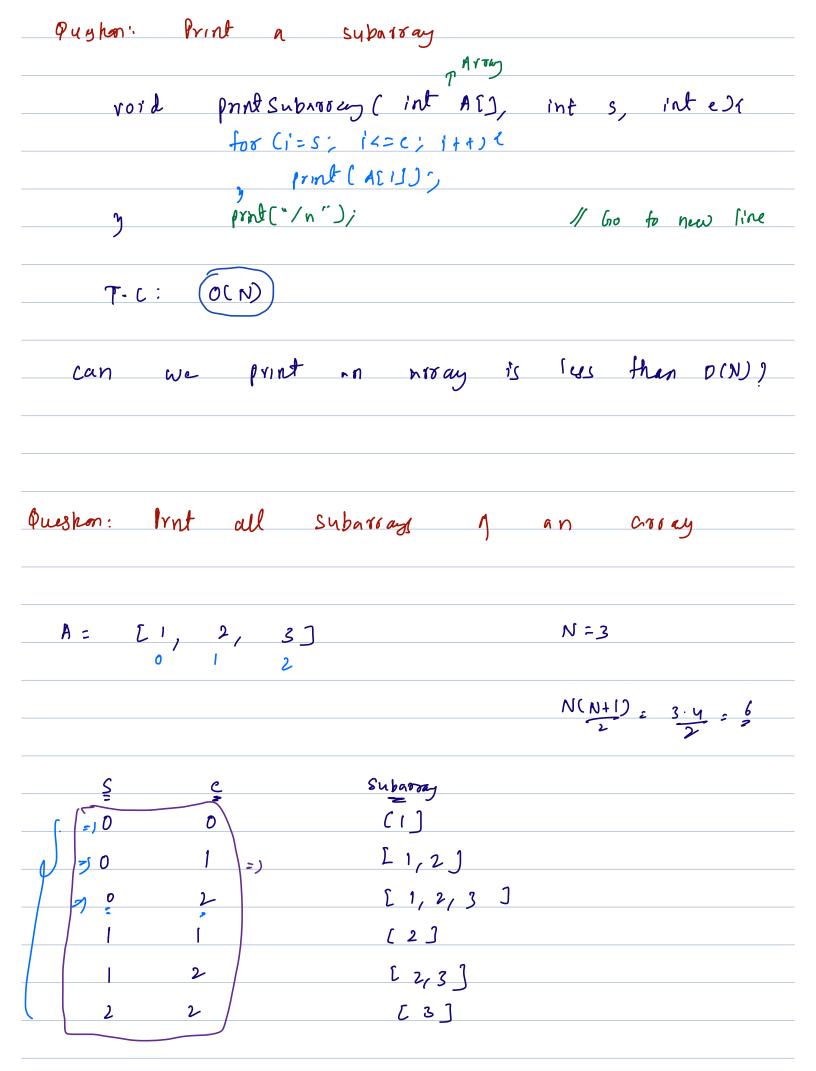
CARRY FORWARD

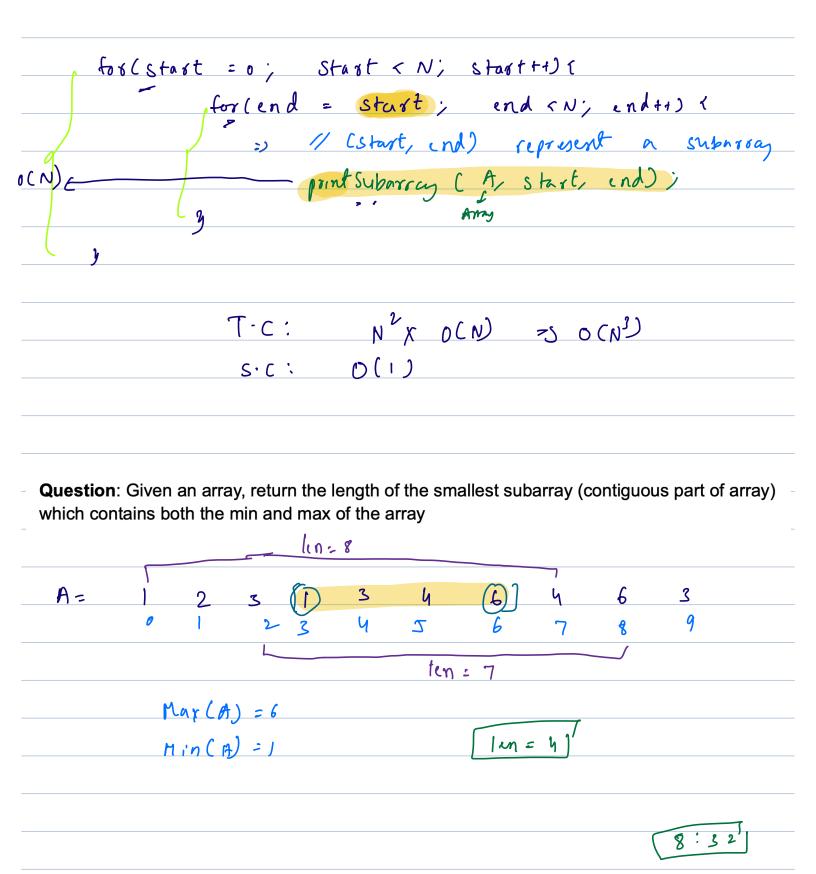
part of an	// I // I
n also be a subnitag	
a subarray	
6 -2 8 10 - 3 n 5 6	
o) (2, 4)
- => (0, 4)
(2,2)	
	<i>)</i>
-3 7 9 y	
	6 -2 8 10 - 3 9 5 6 - 3 9 (0, 4) - 2 8 10] V (

(Stort Index, enk Index)

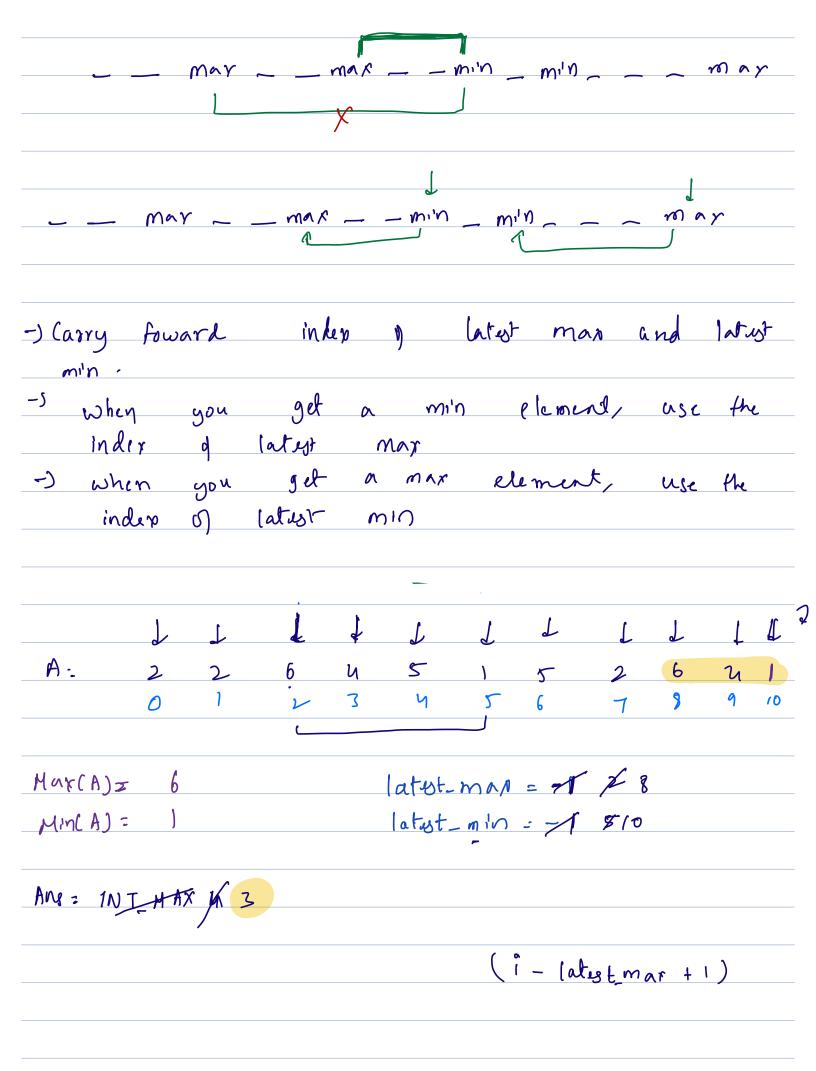








A >	2	2	6 2	3	5	5 6	7	6	9	10
	ar(A):).	ر n = ع		
Bruli	Force									
5)	Find	Mn	and	И	מ'ו	=)	6 (N)		
							NLN+			for
	each	34	bare ay		thick	+	ıf	has	mo	א או
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	(T-c:	001	Ŋ +	ทัก	N+1)	x 0(N)) =	OCN3.)
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```
A =
    latest max = -X 0/2
    latytmin = x 0/2
     ans = LAF 1
// Find max (manm.)
// Find min (minm)
latest max = -1;
latest min = -1;
ans = INFINITY;
for(int i = 0; i < n; i++) {
     if(A[i] == maxm) {
        if(latest min != -1){
                                                      ans= min(5,3) = 3
               ans = min(ans, i - latest_min + 1);
    0(1)
               Atest max
          latest_mn x = 1)
     if(A[i] == minm) {
          if(latest max != -1){
               ans = min ans, i - latest_max + 1); >
         latest_min = i;
return ans;
                      T. C: O (N)
                      5-6:0(1)
          atest mn
                                 1.n= 1- lates 2_min+1 =>
                                 Za, W = b-a+1
```

