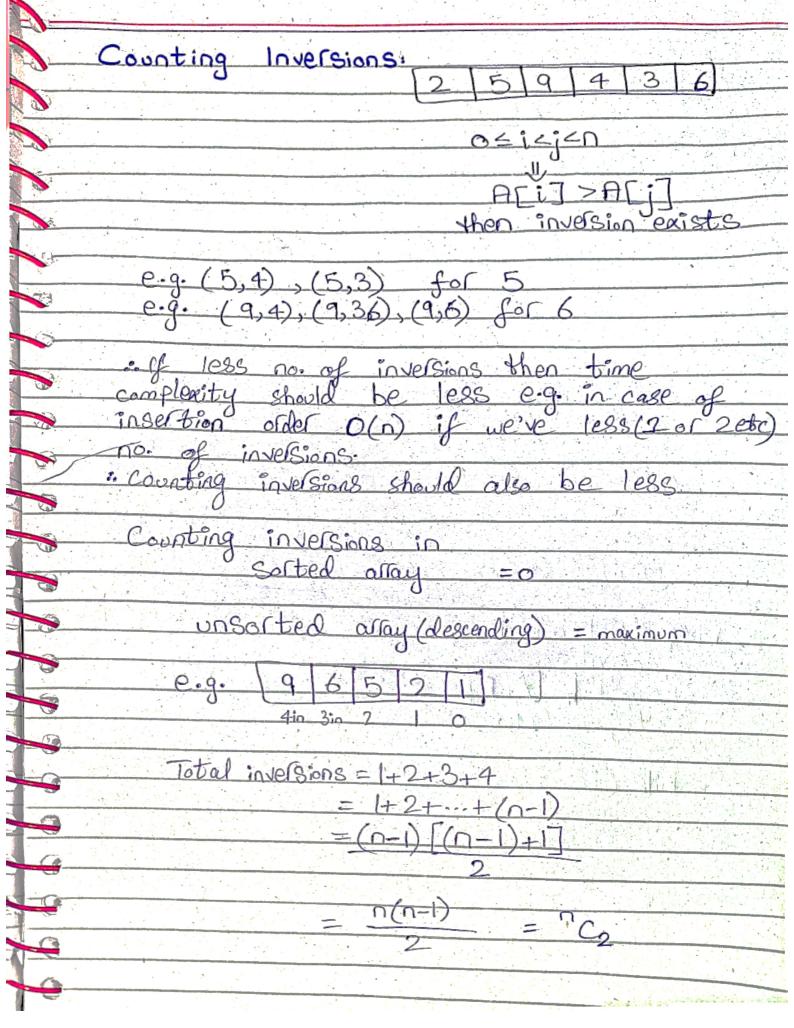


- Bobble Sort is also inplace algorithm
P.g. 2 7 4 8 2 1
This 62' should appear later in sorted army. This is called stable
->1f '2' swapped with 2 then this is unstable
The second of a profession of



- Counting Inversions' count:	=
- Method1:	
- Countiny (A.n)	-
	7
- Count=0	_
for (it o to n-1)	_
j=i+1	-
while (j >0 && A [j] & A [j-1]	-
	-
- Count++	1
3	-{
Ceturn count;	=
7	7
	1
$O(n^2)$	-
	C
Method 2:	-6
- Divide & conquet	
27810 1349	7
- Merge (A, b, mid, h)	Ç
{ count=0	d
temp [A-0+] // new array	<u>.</u>
$\frac{1}{2} - \frac{1}{2} \int_{-\infty}^{\infty} \int_$	-
while (i<=mid &2)	O
<i>ξ</i>	ð
if (Asi7 <asi7)< td=""><td>0</td></asi7)<>	0
else	
	(E)
- Count = Count+ (mid-i+1)	G
3 return court accusa	C
3 letvin count O(nlogn)	