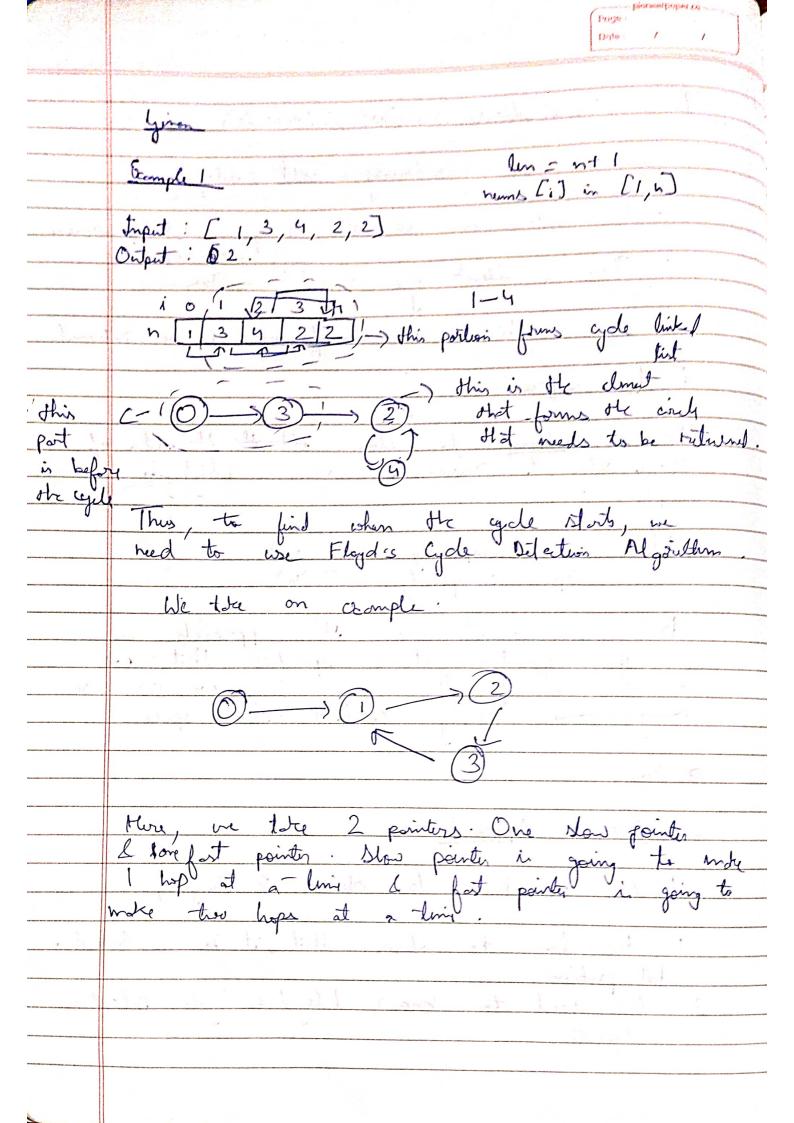
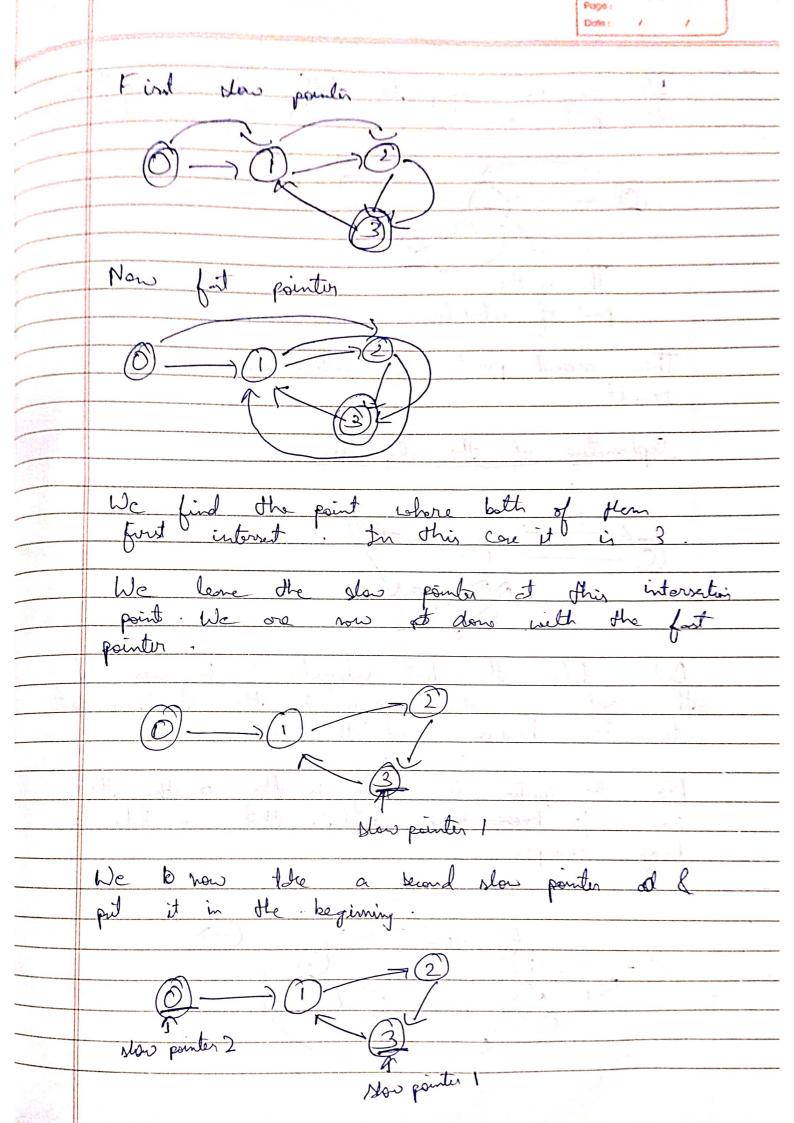
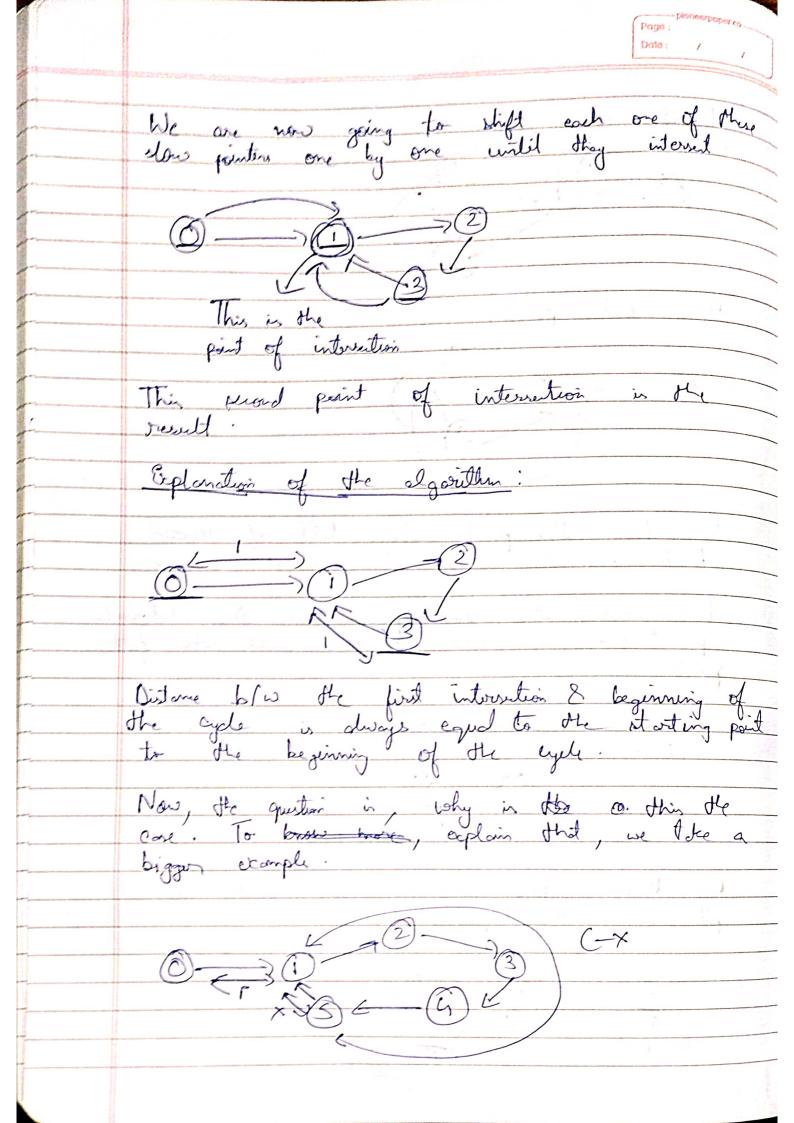
-	
13.000	Find the deplicate number (Charles)
_	
-	Given Wordy Containing sell integers
	where
-	typen wordy containing sell integers.  where integer is in the trange [1, into inclusion.
-	There is intend one trapeted number.
	This is the no-of no to be returned
1	V
1	# 1st sporach
	Use a hochmap to thory all the the data of conory value. I return the value which is repeated.
	cory value. & return the value which is
	repeated.
	Here, time complexity = O(n) Space complointy = O(n)
	Done complait, = O(h)
	A transaction of the second of
	But, we connot we this approach a in the question it is specified that we comet modify the overay & we can we configure only constant outra space.
	in the question it is specified that we
	comot modify the orray & we can use
	end content rates in
	2 No
	Love Correct Approach
	SO E OU - GO TIPPE GEOV
	Fit is to ohis 2 A
	First, we have to observe 2 things,
	1: bla 1 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
-	1: We how to obsone that it is a link !-
	wa problem
1	- We heed to know 1-loyal's Cycle Atection
-	L' We need to know Floyd's Cycle Atection algorithm.







Date: / / We know  $\frac{1 \times \text{Now}}{=} = \int_{P+C-X} + C$   $= \int_{P+C-X} + C$   $= \int_{P+2C-X} + C$   $= \int_{P+2C-X} + C$  $\begin{array}{cccc} P - X &= 1 \\ P - X \end{array}$ Thus, it is proved.