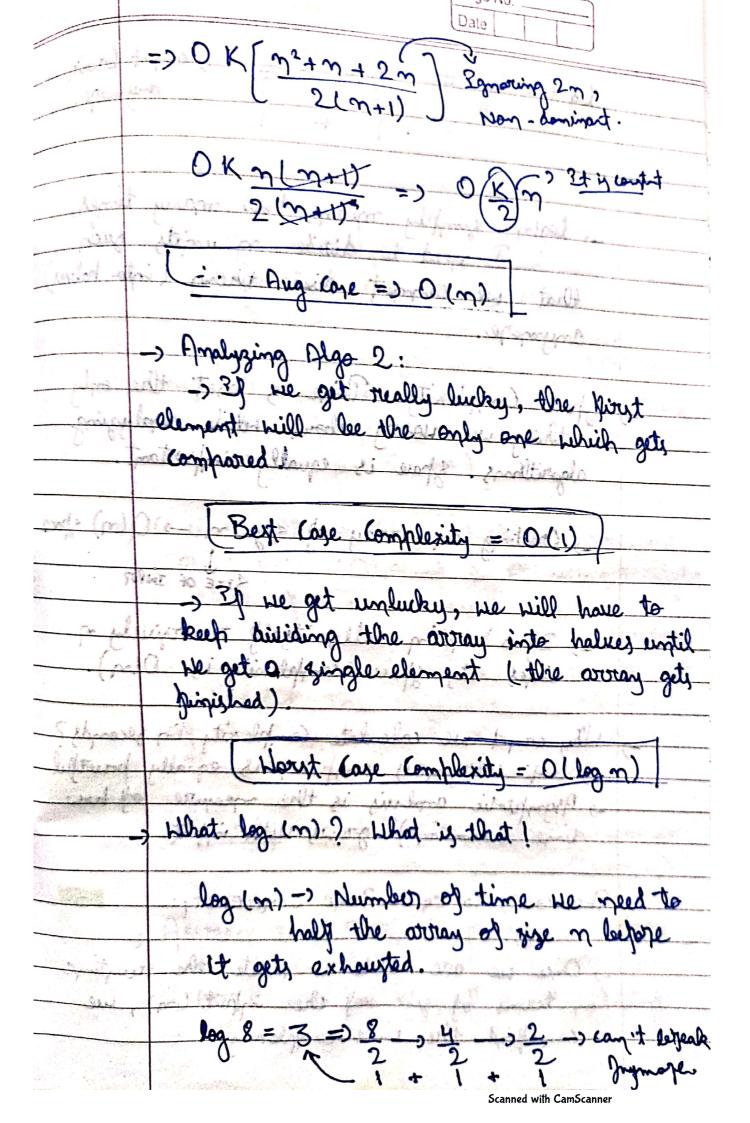
Best Case, worst case & Expected case of an Algorithm : Sometimes he get lucky in life. Exam concelled when you were not prepared, Surprise test when you mette prepared => BEST CME

and the second	-> Sometimes we get
and the second of	never prespored asked influsher overtions
TOTAL PORT OF THE PARTY OF THE	nevery prespored asked in examp, traing during sports period etc. => Hort
ALC: NO.	during sports poured etc. => Wort cyc
CONTRACTOR OF THE PARTY.	- Red Averall the A.
A CONTRACTOR OF THE PARTY OF TH	-> But overall the life tremains bolanced
CORPORATION AND THE	
and the second	events => ExPECTED COJE
-	Q
14)	mangers by a secretly algorithm:
war et artise and	Amalysis of a zeatech algorithm: -> Consider an array which is sported in
arth	and there toll quintly are the
-	1 7 18 28 50 180
	- 19 He have to search a given number in
	this array & report whether its present
	in the array on mot
9.0	of add to the toll out out and
	- Algo 1 -> Start prom print element
	to an element les was a copie
	to the number to be seatched is found.
To law.	and the state of
- 1	There was a supplied to the su
3 /	
rj e j	elements (center of the attray). By the
	clements contest is I tot than the number
-	center element is I ter than the number
profess de	to be Searched, repeat the process for first
And the second second	half else repeat for second half until
-	

Date

_	Date
	the number is found.
	-> Analyzing Algo 1: -> 39 We trially get lucky, the first element of the arrival might turn out
	-> 39 we trially get lucky, the first
	element of the array might two out
	element of the array might turn out to be the element we are gearthing
ile fire	por Mence, he made just one comparison
	Best Case Complexity = O(1) (in=k)
	steriden an array which is surge
404	- If He are teally unluly, the element
	he are swiching for might be the
	last one
AzJ	horst case complexity = O(n) (m=nk
	-> For calculating Average case time,
	year of all the hours and
	cases truntime & acude divide it with
L	the way number of lail.
	Due for all the form with the st
7	Aug Case = 0 (& All possible runtimes)
resol	Potal mo. of priviliting
int.	Aug Core = 0 [K+2K+3K-+mK]+[nK]
, ŷ	W B (was to only do cally) min on the
us.	only Brownett & Grange Tology
7	30 K[(1+2+3 = m)+m)
	coal house out soular admitted



	Page No
	log 4 = 2 = 3 4 - 3 2 - 3 com . + break onymore.
4	CHICARD THOUGHT
	-, loger) simply means how many times, T need to divide of unjuty such
	that we carried divide them linto habrey)
	anymore.
Ť.	Space Complexity: Time is not the only thing we warring about while amplyzing
0	algorithms. Space is equally important.
	streeting an variay of size m -> 0 (m) space
1	wood the our populars too on the
t C	2) o purption calls itself tecutopicely of times its space complexity is Oln).
-)	Why compt me calculate complexity in seconds? Not everyone's computer is equally possible
	of framptatic analysis is the measure of how time (truntime) grows with implies.