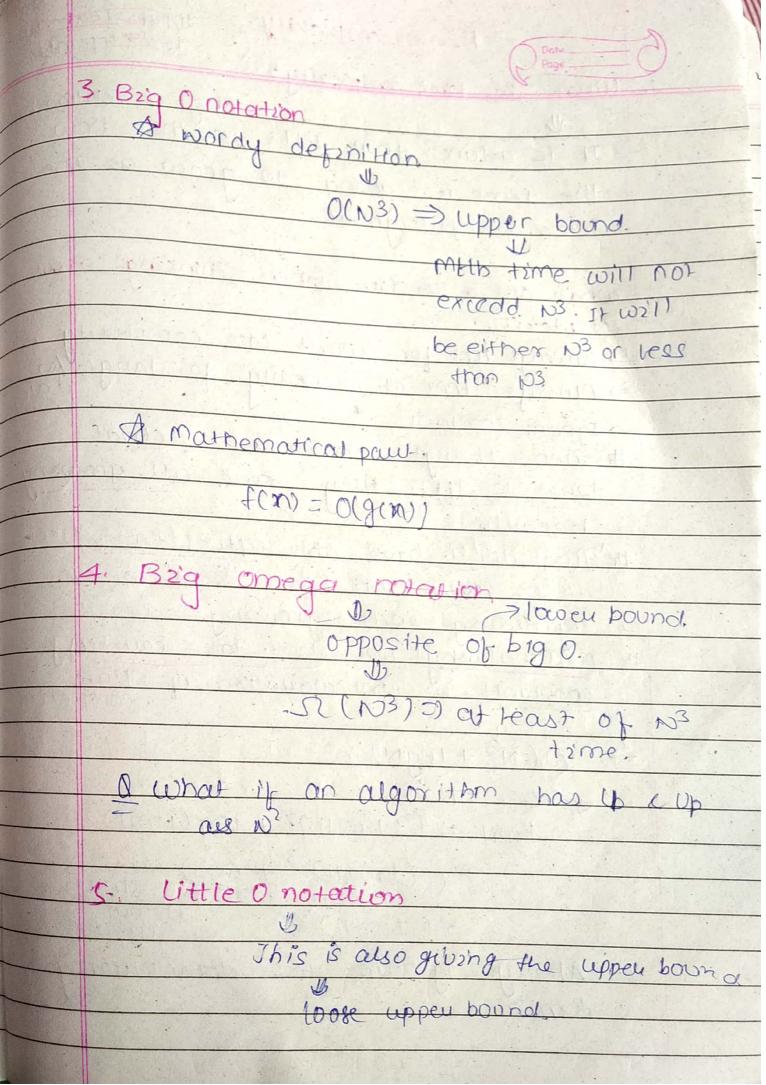
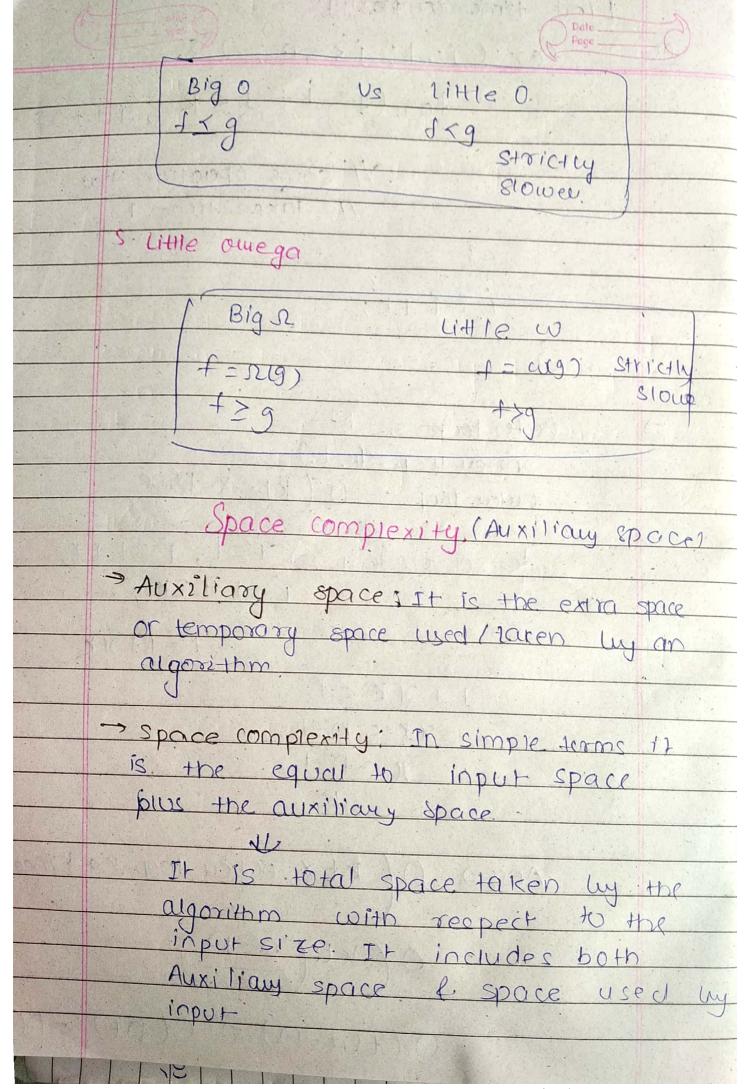
	De Relation 61W
	Time complexity inputate & running
	(re coperation)
J,	what is time complexity?
	It is a func + nat tells us that how
	It is a funct +nat tells us that how
	the time is going to grow as the size of input grows.
	complexity:
	complexity:
1	
2	Alumins look at complexite tox lange (so
	Always look for worst case complexity Always look at complexity for large 100. I some constant
	# Even though value of actual time is difft they are all growing linearly
	1212 3 affet they are all growing
	the we don't cave abt actual time
	we cause abt how the time is
	growing ivith growing enput.
#	growing with growing conput. That's why we don't take cave of constant in the calculation of Time complexity
	constant in the calculation of Time
	complexity.
	49 $O(N^3 + \log N)$
266	ofrom pt.200 m. h. h. h.
	=> 1 mil => ((1 mill.)3 + log(1 mil))
	3 / 6: 3
	((1 mill) + 6sc)
	> C1mill 3 he noe
	(1mill) 3 + 6sc) Very small in the nee 19nore
	mays goore less domination
	tem c





find teme complexity for (1:1: ix=n;) } tor (i=1; j \ ; j++) } 11 some operation that 11 takes time t Gettertoop inner 100p = (kt) writer took = 0 tk + 4, took for outed 100p =) 1=1, 1=1+K + 7 1 2 5 1 ak = n-1 ktx outen toop katime) Ans =) 0 (xt (D-1)) O(t(n-1)) =