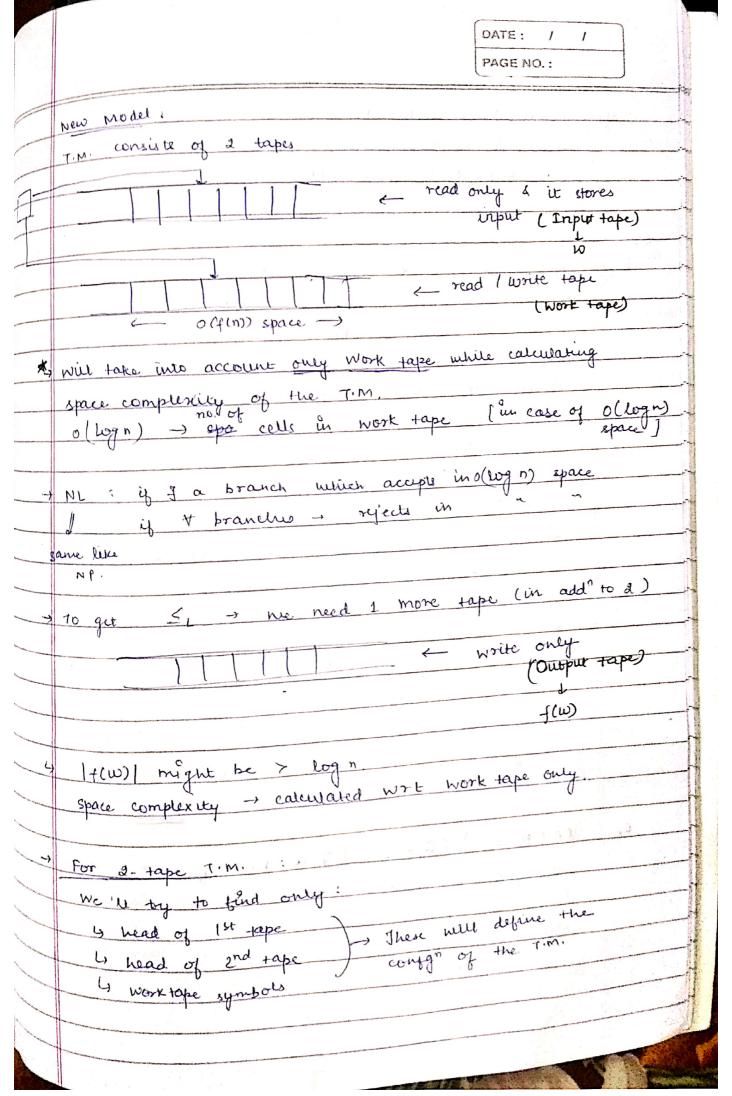
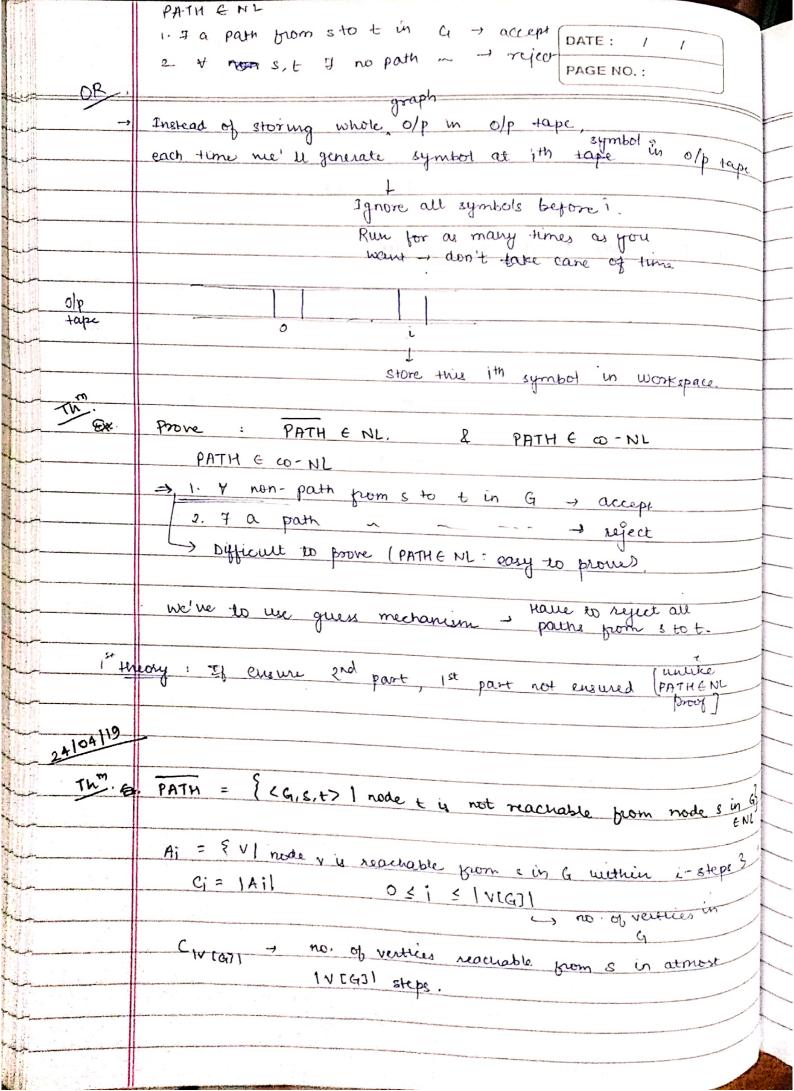
1	22-04-19	
		Def's: n -> size of space
		A don't are whole
		NI = NSPACE (logn) input> Only logn ?
		- CO-NL = & L I E NL ? Il mone to new model
		- A is NI - Complete ig
		a.) A E NL
Nine.		b) Y BENL & A
		b) Y BENL & A Logarithmie space reducible polynomia
沙宝		



	DATE: / /	
	PAGE NO.:	
Section 2	Tade 190.:	
	→ PATH € CO-NL.	
	Link - PATH C RII (COVER)	
	we'll prove that : PATH & BIL (later)	
EX	Prove that PATH & NL- Camplete.	-
	I) PATHE NL V	sh
	COTU TOM to the own routen	
	conte graph (M xin in oct)	(a)
	Car have T.M. M (W):	
	in an accepte (1) to pain from starting confg"	
	is m accepte w = y + a pain from starting confg" to accepting confg"	-
275	rejects Gyd doesn't exist	
	rejects graces in . cit	
	<g, caccept="" co,=""> € PATH</g,>	
	M(W) <>> <g, ca,="" caccept=""> EPATH</g,>	
	μ	
	Co, C1, Cs, Caccept => pocitode confg"s Foto space taken by these confg"s: Log. n + O(fin) = O(log n)	
	Tato hu these confos: Log n + O(fin)	
	4 or space testers of (log n)	
	27-01	
	Contains.	The second
	In o/p tape. > put these confors.	
	an order blu a	
	11 4 1 14 14	70
of	# Co # G #	
	is 7 edge	
	D/w Co & Cr	
	S alleck 4	
	Put 2 confgre Ci & Cj in work table & check it	
	Put 2 compges Ci & Cj in work table 2 of table. Fan edge or not. If # > put it in o/p table.	150
	So, workepace: o(log27)	
AND DESCRIPTION OF THE PERSON	, 0001-	14.00



Scanned by CamScanner

	PAGE NO.:
14 C (VEG) à given, me can check A,	1V (G) 1
A IVEGIT : 1. for each u un v [G] gru	iss a path from
If gues is correct -> else -> else ->	d ++ reject
2. If t is reachable → rei	ect all to
3. To a # CIVEGOI -> reje	of AINEATI]
4. Otherwise 12 accept	means corrections
5	y d == CIVEGJI = CIVEGJI
	provided to its was
Assume that c; is correct. We'll try to find correct value of City	rom correctness of Ci
By doing this is we reach 1= 1v(G)1-1 -> Our algo is c	orrect (live Ci
for cale. Ci, we will per execute the	algorithm Linstead of CV603]
* suppose, me get some Ci = S.i.f.	. 3
for WECI d= Ci for WECI d= Ci -) check y u is reachable from Ci os y (u, v) E E[G]:	not in atmost pater i e Fan edge
Citl++	

