Module 5

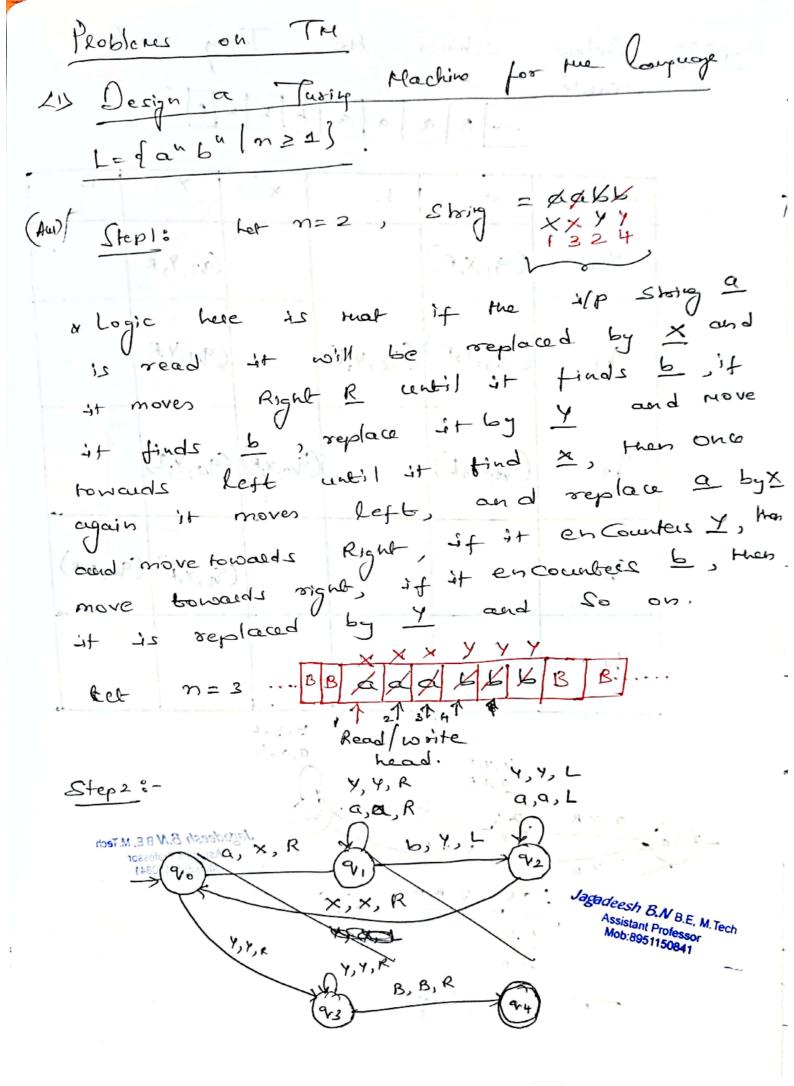
lusing notro duction Competer Machine, is called Jagadeesh B.N B.E., M. Tech

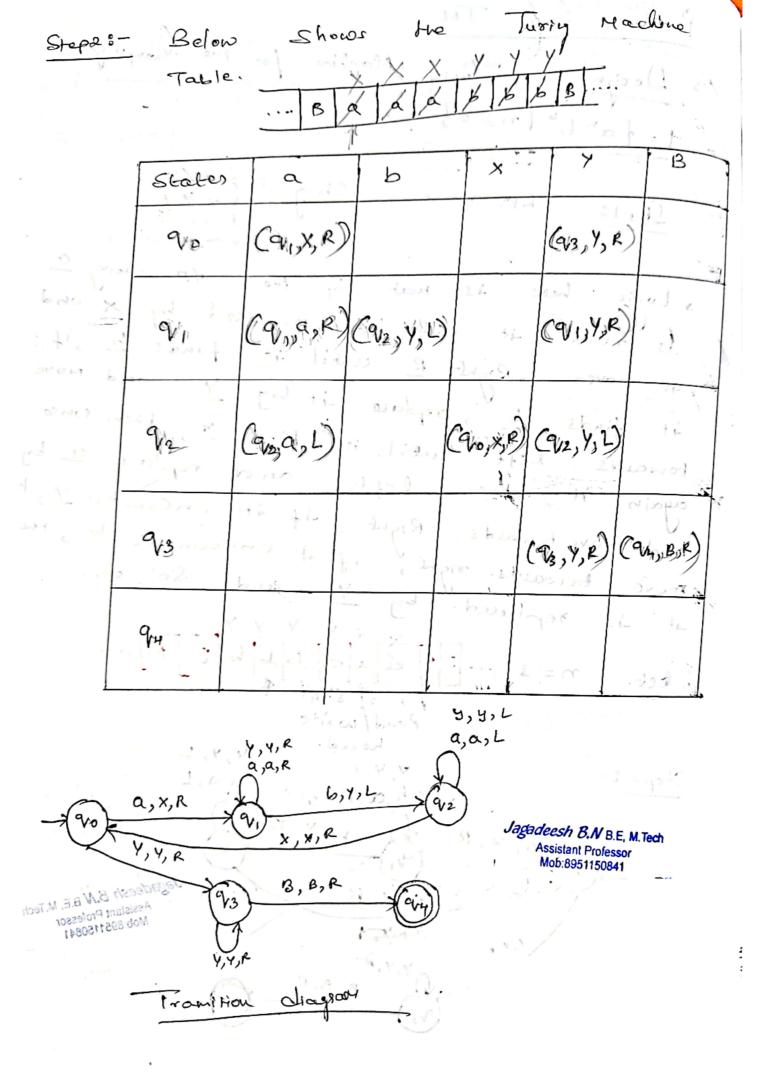
need of What fere 22 Problem wirn finite Automoba. Autoriata han a es that, finite finite Memory, problem with PDA is that, Sneple Languages. Can recognize only want to accep if we then we need to go for Assistant Polesex Model + Below BB 6 α Read Write head Jagadeesh B.N B.E. M. Tech Assistant Professor fixite Control Therup Hachine.

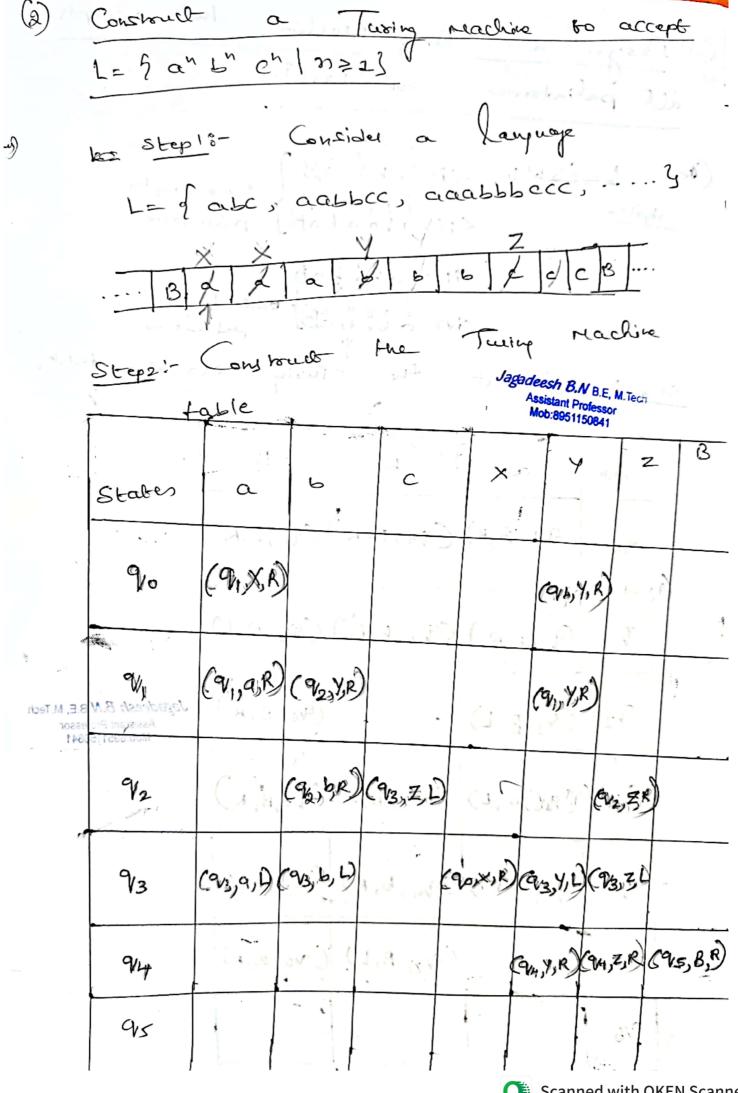
& Any Turing Mecline Contains there Corponents viz -> I upue tape -> Read/ write head -> Fruite Control Unit Thout Tape is divided into humber of Cells, where each cell - Input Tape one symbol at a time. or The Size of the import tape is Jagadeesh B.N B.E. M.Tech -> Read write head Cour perform either Read Read operation (or) operation/ Worke Operation. to the result was help of Read horite head dIF Contains all the state present in the -)-finite Control Unit: Machine.

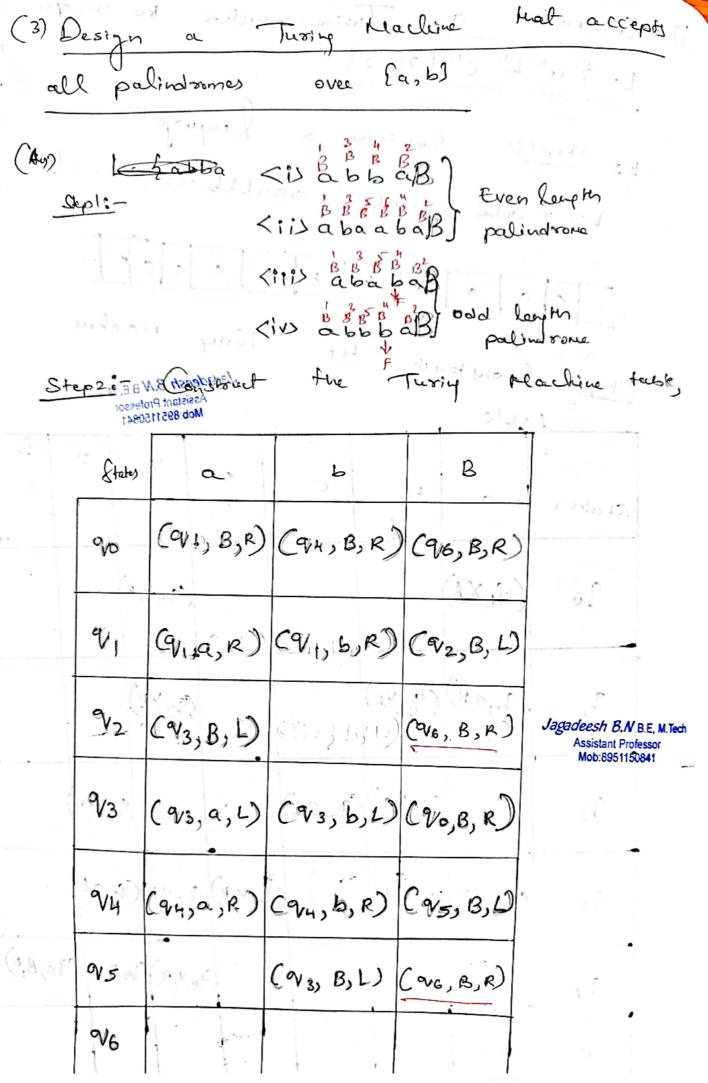
tormal Definition of Turing Machine Turing 7- tuples with A= (Q, E, T, 8, Vo, B, F) Non- Empty Fluite where States. Non- Emply finite Set g alphate (\(\sigma \sigma \Gamma\) [→ is the State Start Star. Jagadeesh B,N B.E. M.Tech Final Accept Steel transition Function QXT -> QXTX {L, R} Enumerable Language (REL) readily States viz, Accept & Halt, & Halt, Loop (or) Never halt Jagadeesh B.N B.E, M.Tech Assistant Professor Mob:8951150841

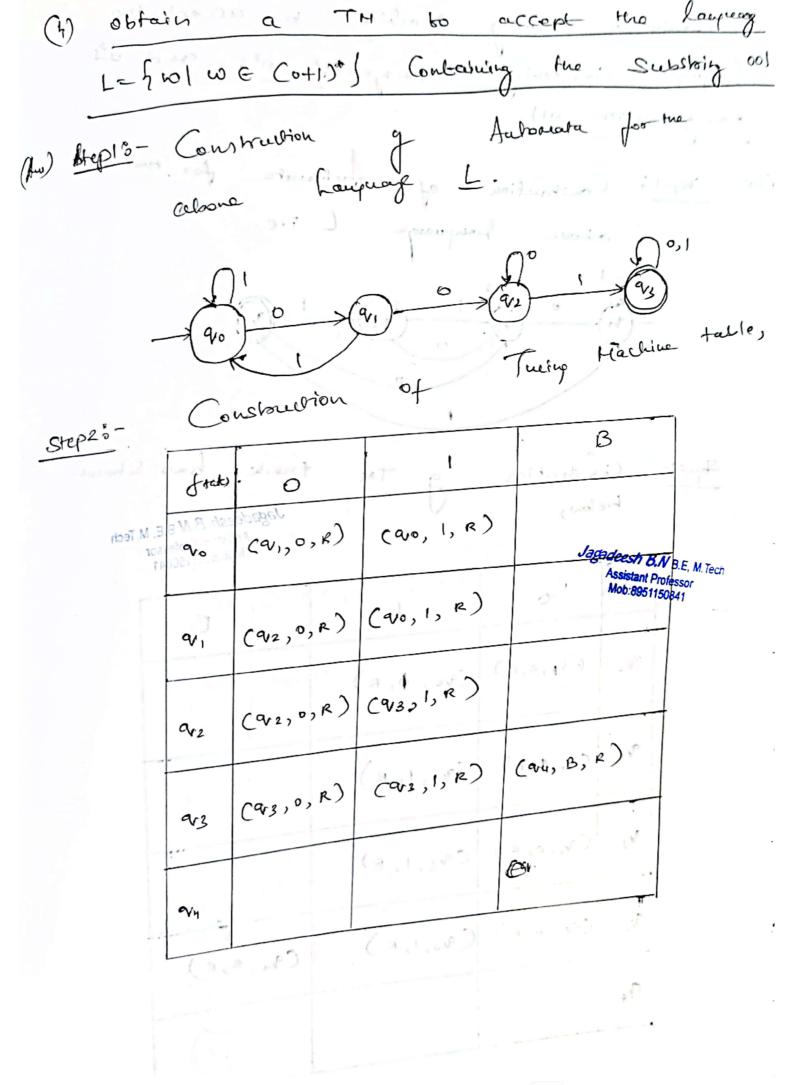
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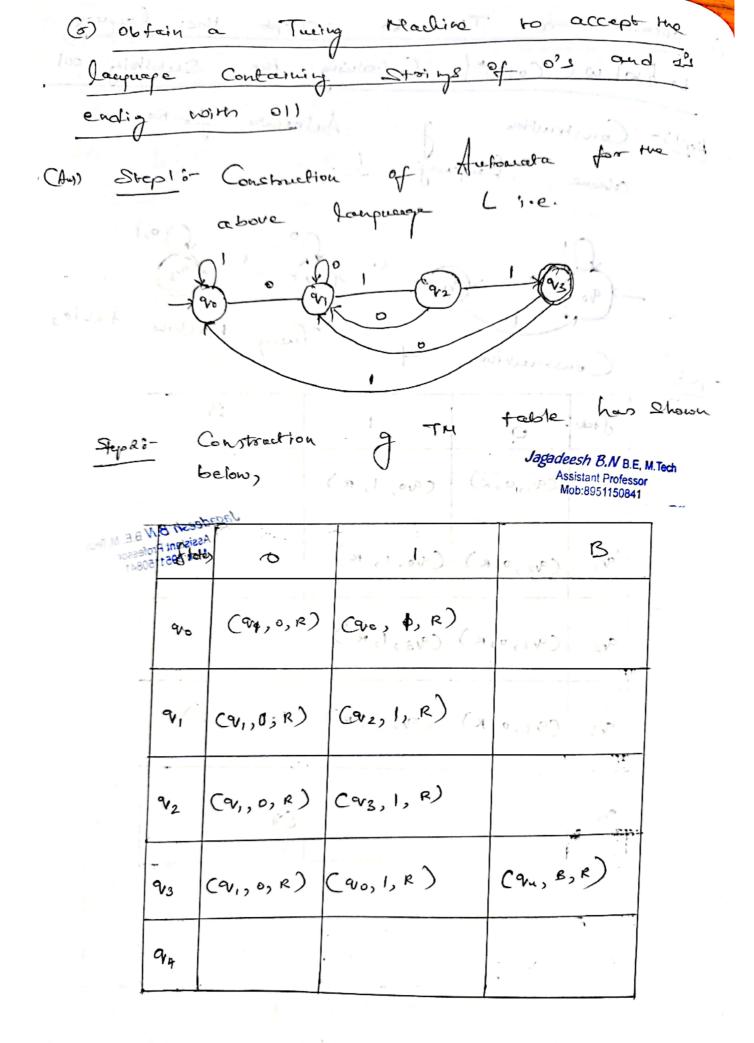


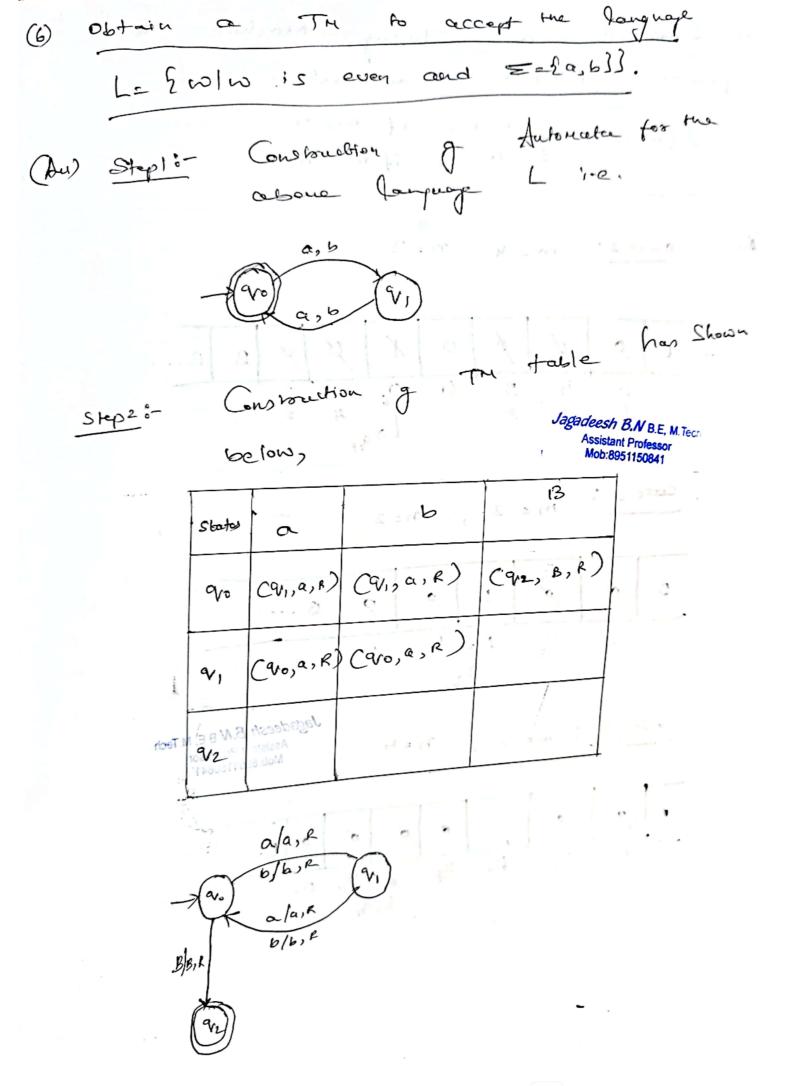


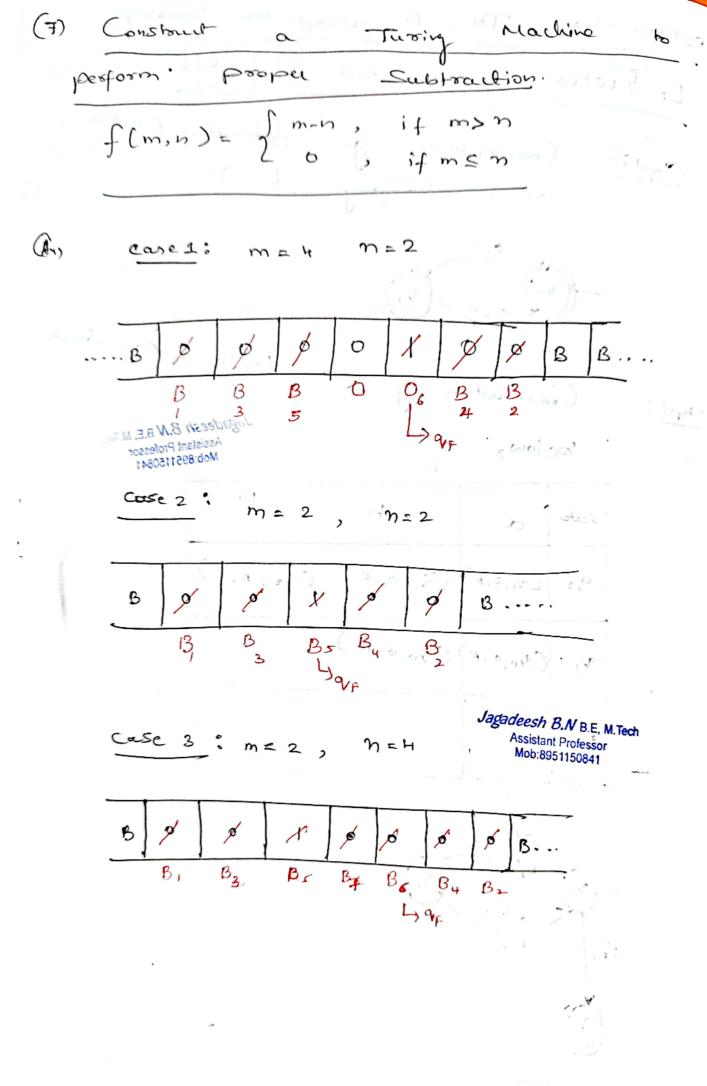












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	م,	(q,, o, R)	Ca1, 1, R)	(9/2, 13, L)
	9/2	(9, B, L)	(%ff, 0, R)	(ap, B, R)
£ ().	°V3	(°43,0, L)	(93, 1, L)	(90, B, R)
	CV 4	(94,18,R)		(WF, B, R)
V B.E. M.Tech	B of the second	5 1	O C Jagao	Geesh B.N B.E. M. Tech
10223	1883iant P	7.0	The state of the s	ssistant Professor Mob:8951150841
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Operation. (fu) @ we Jagadeesh B.N B.E. M.Tech 00 00 B 00 B 0000 B B B \$100 B BBBYOO B B B B B OO B Tueing Machine a Transition table,

Scanned with OKEN Scanner

States	0	1 5	1	X	B
ey.o	(Q,, B, K)	(a6, 8, R)		- J.	1 -1
a,	(q,,0,R)	(ave, 1, R)	3 P L	روست	i lyse:
٧2	DIA TIL	(9/s, 11, L)		// y/Mo	stant Professor 88951150841
BE, M.Tech lessor EVP 0841	(43,0,R)	(93,1, R)	- Tage.	5(=407	(94,0,L)
0,4	(qu, o, L)		(92,×5		
		(95, 1, L)	(ars, 0,	L)	(qo, B,R)
%	(9, B, R)	(97, B, R)	C. y.		
97	(4.	V (4 ×			-
Cw.	1.20) Cu	v , e^			
			;		

Tueing Machine Design L= { a 2 h b } | n ≥ 1 } Consider the String. i.e., , (fu) Stepl 3-B desid d d d d b

sistant for section of the secti Machine Tueins Construct the Table Transition Table Jagadeesh B.N B.E. M. Tech Step2:-Mob:8951150841 States 90 (9,,×, R) (94, Y, R) 9, (92, X,R) 92 (9,2,9,R) (9,3,Y,L) (9/2, Y, R) %3 (20, x, R) (95, Y, L) (ay, a, L) (2) (q,, y, R) (qs, B, R) 94 95