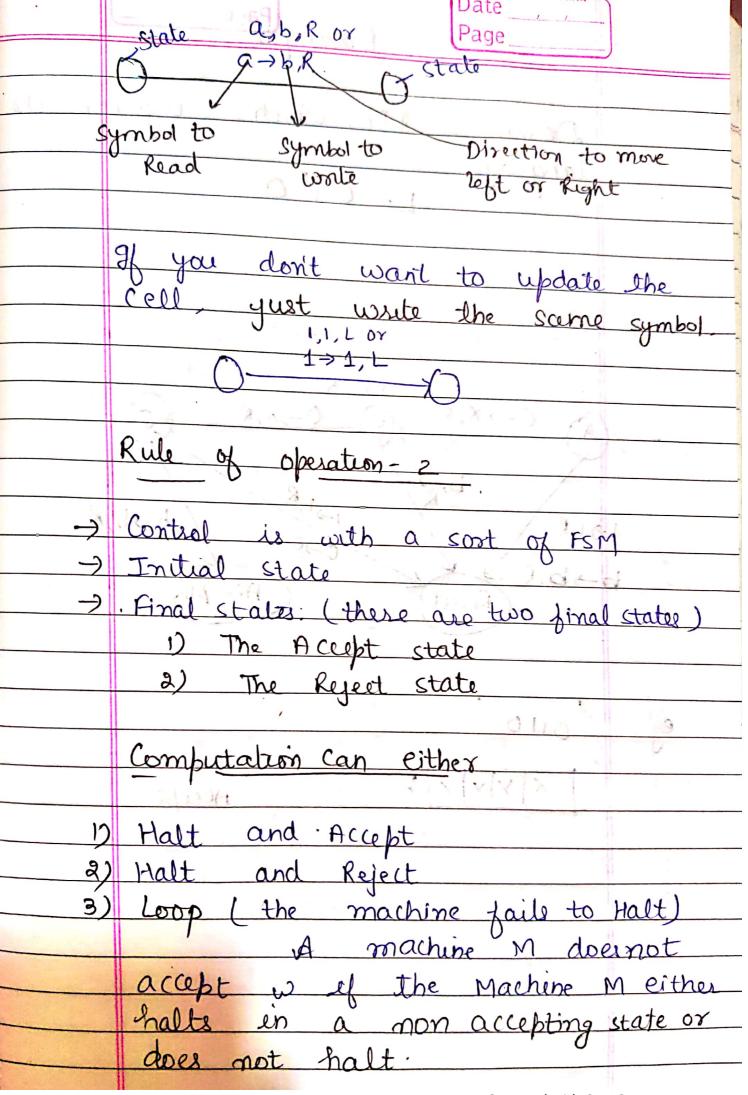
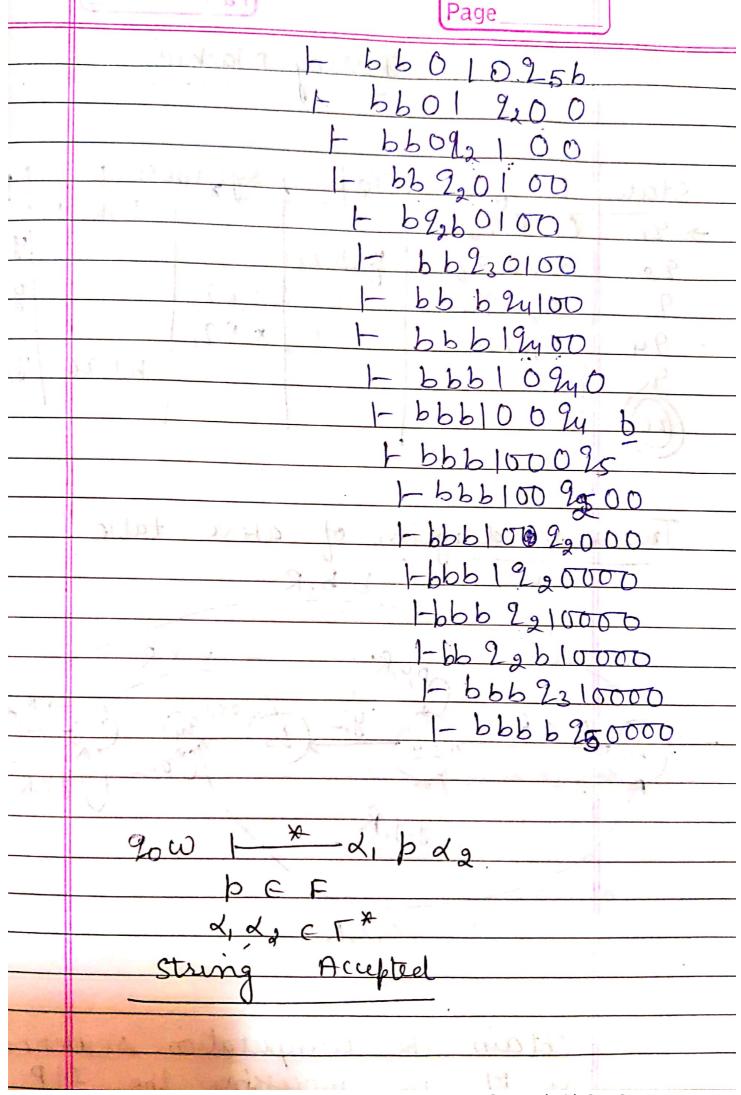


Page Transition Mapping Function S(20, x) = (21, 9, 0) or (9, 0.21)Loenguage Accepted by Turing Machine Consider TM (0, E, [590, b, F) String and w & Ex is accepted by 20W - Xip d2 hound drag & [* stand and Rule of operation 1. -> At each step of the computation Read the current symbol Opdate (write) the same cell > More exactly one cell either left or right. It we are at the left end of the take and toying to Stay at the left end of the

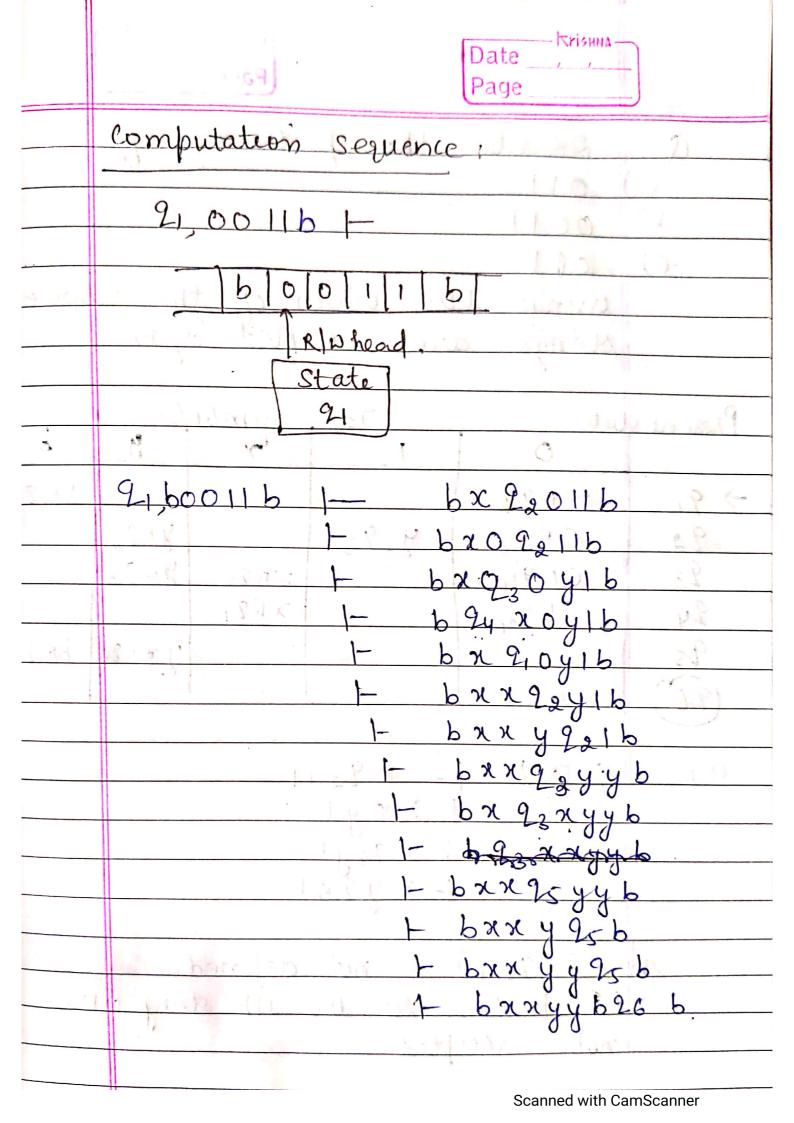
Scanned with CamScanner



=	Transition						
	TM = { 91,92,92,94,95}, 80,13, {0,1,6} [2]						
	Tape Symbol						
	b 0 - 5						
791	1LQ22 OR21						
92	bR23 0222 122						
93	bR2y bR2s						
24	OR 25 OR 24 1 R24						
95	0122						
Draw the computation sequence of the							
Ilb storing 00							
_ <u>Sol</u> . 3	the String in the take is a 199-ajour						
	- am and the						
	M is in State 2 is to read ait						
- then.	we write a a 2 a joein 9 aj +1 - am						
(7.01)	+ 2 00						
Comput	tation sequence w=00						
210							
	F 009,b						
	t 02,01						
	F 22001 F 226001						
	1- b23001						
	- bb9401						
	t 6609ml						
L.	F bb0 194bb						
Scanned with CamScanner							



	Turing Machine							
	00 1 .80							
States	e · \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Talse.	symp	ol .				
> 21	(x, R, 22	A)	070	b, R, 2(1)				
29	0, R, 22	4,1,23		of 1				
23	0194	0 / /23	X,R,25	Y R2				
24	0,1,94	4	x, R,2,	412				
95	1201133			6,R26 ye				
(26)	NICOLAN	*		6, K. 76 1 1 1 1 1 1 1 1 1				
	Development	1						
-20	ef doided .	1						
Trans	Transtron diagram of above table							
1.0								
- 67	THE ? della	b,b, R						
	0,0,1 X,X,R							
	0, x, R 1, y, L (95) 0,0, L (95) 0,0, L							
14	7(22) (43) (14) (45) (16)							
	() 93,R							
	9,9,8							
	X, x, R							
	1975							
	Obtain the	Comb	utation	sevience				
	of M for processing the Isp							
	string ooil.							
	0		Access					
	Scanned with CamScanner							



7	21 + 3)		Page				
0	Describe	the pr	ocessing	0/			
a)	011						
b)	0011		di or	Y			
()	001	• [.]	1 4				
	using ID's which of the above						
	strings are accepted by M.						
	The transfer of the second						
Present S	tate	Tape	symbo				
	0	1	<u> </u>	y	6		
$\rightarrow 91$	x R 2 2		4110	1	bR 95		
22	OR 2 2	4123		y R92			
23	OL 24	0 d - 1	xR95	9293			
24	0624	1 1	XR21		1		
25	dig in	1		4 x R25	bR96		
(26)	the exton	1] "			
	1.2446						
<u>a)</u>	2,011 / x.2211						
-	1-23x y 1						
	1- X 25 41						
	[- X 4 2 5]						
	4 7 5						
A	8 (951) 11 200						
	S (95,1) is not defined.						
-	not accepted.						
		pred.		-			
b.)	9 0011	1	_				
	210011 X 2911						
	1- x09211						
7	1- x 930 y 1 1- 24 x 0 y 1						
	1- 24 x 0 y 1						
П	Scanned with CamScanner						

Scanned with CamScanner

