CSE 303 HW S

. E0 2 2 2 1 1 20}

Algerithm: E. Mark unread O with X and move right

in Move to the right until first unread I, mark with Y Ui. Move to the right until first unread 2, mark with 2

iv. Move left until X, and move right

V. K input is O, repeat from i. Kinput is Y, go all the

way right until B. Then accept and stop.

Table.

				Nex	t ape	: Sym	1001		
	Curr State.	0	1	2	X	Y	7	B	
	90	(n, X, R)		The second second second second second		(9,4,Y,R)			
	0,1	(9,,0,R)	(92,Y,R)		116.000	(a, 1, R)			
	92		(92,2R)	(93, Z, L)			(92,2,R)		
	93		(95,2,1)		(90,XR)	(93, Y, L)	(93,3,L)		
6	94						(a4,2,R)	(95, B, R)	
	* 95								
					Company of the Compan		AND THE PARTY OF		

{ Ou Isu Ou | U 50}

Alapitha: U. Mark unread O with X and move right

in Move to the right until first urread 1, mark with I move right Un. Mark second 2 with Y, move right

W. more no the right until O, replace with 2

V. Move left until X, move right

Vi if input is 6, repeat from i. Else, move right until

B and accept and stop.

						DATE	
Table!	•		•				
			Next	Table	Symbol		
Curr. State	D	1	*	Y	2	В	U
20	(Q1,1×1R)			(95, Y, R			
91	(a,jo,R)	(q_{12},Y,R)		(a,, Y, R)	1		
92	(93,Y,R)					
4 ₁₃	(9,4,2,L)(73,2,R)			(93,Z,R)		
94	(04,0,46	14,2,2)	(90,X,R)	1 (Q4, Y,	L) (a4,2,L)		
9s				(95, Y, R) / (as, Z, R	1(Q0, B,R)	
* 96			\				
	,						
3. Ewws	R where w	E(0+1)3	* and with	is reve	Ew 63 921		
Algorith	im.						
	i. If inpun	is O, r	nark with	X and m	ove right unti	1 Bor X	(92), move let
					•		(gc), move lett
Ì	Wi. (92) it	input is	O, mar	k with	x and move	X litan 4 tal	, move right
Ì	V. (013) 1+	input is	2, mar	k with X	and move 1	est until X	, move right
,	V. repier of	i mon	or ii it	input is 0	or 1. If ins	M , X 21 NO	nove right
	until B	and a	ccept and	dots 1			
Table:							
			Next	table Si	mbol	1	
(urr.	0	1		X	B		
0/0	(q,,X,R)	1	x,R) (9		The state of the s		
a,	(9,,0,R)	(q,,1	,R) (q	12,X,L)	(92, B, L)		
0/2	(d3/X1T)				Policy		
0/3	(93,0,L)			. 1			
94	(94,0,R)	(941	1,R) (9	2, X, L)	(95,B,L)		
9,5		(96)	-		\		
9,6	(96,0,4)	(96)	1,12 (9,	0,X,R)			
9,7			(q.) (X,R)	(98, B, R)		
* 9,8							

9,5