Daniel Cuftson E Roll No: 20110051 FSM: (00100 on 10100) 1) a Moore
| Reset WZI W=0 W=1 wal Wal wz Wal W=0

B- ES203

\* State Assignment:

Present state	Nont state		z (output)	
	W=0	<u>W=1</u>	<u>a</u>	<u> </u>
4 0000 yo	43 424, 40 0110	4, 424, 40 0001	Ø	0
р 000 l	0010	0001	0	0
c 0010	0111	0011	0	0
D 0011	0100	0001	0	0
E 0100	010.1	1100	0	$\mathcal{O}$
F 0101'	0111	1000	6	1
90110	0111	0001	0	0
H 0111	0111	1000	<b>O</b>	0
1 1000.	1001	0001	Ø	0
J 1001	1010	0011	0	
K 1010	0111	1000		0
12 KOII	****	XXXX	$\sim$	×
	***	&&&&	×	$\times$
W 1100	* * * * *	XXXX	×	×
NIIOI		🗸		$\neq$
0 1110	***	1111	*	7
9 11 1	7 7 7			
		- 00:	p flop,	WL
somie we need	to con	n alex	,	
know that				
	Nort	T	K	
Prev.	Nent State	J	K	
Stale	0	0	d	
Ø		l	d	
Ō	0	d	(	
A. Stephenson and the state of				

0

so State Assignment Table for Tre forp sleep when & 1) J. Ko J, K, J2 K2 J K3 Present 1 d A (0000) 1 d od B (0001) do id c (0010) o d 21 di 1 d 0 D (0011) od d 0 £ (D.100) O do 1 d d o o. A F (0101) do d D 9 (0110) do do d 0 4 (0111) od ,1 d od d 0 1 (1000) do 10 d 1 d 0 (1001) d 0 1 d J do d dI K (1010) d= dont cenes Joko J<sub>1</sub>K<sub>1</sub> J2 K2 J<sub>3</sub> K<sub>3</sub> 1 d od o d do od od od B do o d C do di od D d E di d dI d 1 d1 dI o d od 18 do di o d

By Analysis ( K-maps), we get:-

$$J_3 = \omega y_2 y_0$$
,  $K_3 = \omega y_1 + \omega y_1$ 
 $K_3 = \omega \theta y_1$ 
 $K_3 = \omega \theta y_1$ 
 $K_4 = \omega \theta y_1$ 
 $K_5 = \omega y_1 + \omega y_2 y_0$ 
 $K_7 = \omega y_1 + \omega y_2 y_0$ 
 $K_8 = \omega \theta y_1$ 
 $K_8 = \omega \theta y_1$ 
 $K_9 = \omega y_1 + \omega y_2 y_0$ 
 $K_1 = y_2 y_0 + \omega y_2 + \omega y_2 + \omega y_2 + \omega y_3 y_2 + \omega y_2 y_0$ 
 $V_9 = V_9 + V_9 + V_9 + V_9 + \omega y_2 + \omega y_3$ 
 $V_9 = V_9 + \omega y_1 + V_9 + \omega y_2 + \omega y_3$ 
 $V_9 = V_9 + \omega y_1 + \omega y_2 + \omega y_3$ 
 $V_9 = V_9 + \omega y_1 + \omega y_2 + \omega y_2 + \omega y_3$ 
 $V_9 = V_9 + \omega y_1 + \omega y_2 + \omega y_3$ 
 $V_9 = V_9 + \omega y_1 + \omega y_2 + \omega y_3$ 
 $V_9 = V_9 + \omega y_1 + \omega y_2 + \omega y_3$ 
 $V_9 = V_9 + \omega y_1 + \omega y_2 + \omega y_3$ 
 $V_9 = V_9 + \omega y_1 + \omega y_2 + \omega y_3$ 
 $V_9 = V_9 + \omega y_1 + \omega y_2 + \omega y_3$ 
 $V_9 = V_9 + \omega y_1 + \omega y_2 + \omega y_3 + \omega y_3$ 
 $V_9 = V_9 + \omega y_1 + \omega y_2 + \omega y_3 +$ 

Implementation 43 y2 elk ya y, wy2y0 72 -23 91 7 73 81 clk-