* CSE 234 Lab 4 - Yeşin Yalçın - 200104004094

172 States (so, ss, s2, s3) = 4 states = 2 bit registes. + 2 bit for the next state

\$ 2 inputs : a, b

JI output : 20

2-) States: So = 00

S1= 01

25= 70

50 = 1 L

3-) State Table

,					1	u (i i i i	
	0	a	6	\perp_{X}	(n +	l no	
5000	0	0	0	0	0	0	
0	0	0	1	0	0	0	
50/0	0	1	0	0	0	1	
0	0	1	1	0	0	0	
SLO	1	0	0	Ó	0	0	1
10	1	0	-	0	0	0	-
5/0	T	1	0	0	1	1	
51	1	1	1	0	1	0	
52/1	0	0	0	1	1	0	
4.1	0	0	1	1	1	1	
11	0	1	0	1	0	0	
12 1	0	1	1	1	1	0	
52/1	7	0	0	1	0	0	
53/1	7	0	7	1	1	7	
52/1	T	1	0	1	0	0	
4	7	1	1	1	1	1	-
						(

CDab'+ CDab Wini= CDab+CDab+CDab+CDab+CDab+CDab+CDab+ C On 6 * 10 = (0 ab + C'Dab + CDa'b + CDa'b + CDab *Karnergh Map of X solabl 00 0 1 4 * Karnough Map of 11 (* 11 = Cb + C'Oa + CO'a' 101 (55) 10 | 00 0 O 00 0 0 0 4 OL 1 11 & Karnough Map of no 412=COb+Cab'+Ca'b colabl 00/01/11/10 5 5 5 5 5 5 5 5 5 5 5 5 00 0 10 0 O 4 0 (! 0 10