

S. 0	1	0
5, 1	1	1
S2 1	0	0

State	Table			
Present State A B	Input	Next	State	Output
00	0	0	0	0
0 0	1	0	1	0

State Abaign	ert.
S <sub>3</sub> → 00	
S, -> 01	
S2 -> 10	
(S3 -> 11) do	n4 core

AB	X	A	B	
0000	0	0	0	0
0 0	10	0	1	0
0 1	0	0	<b>D</b>	000
	1	1	0	
10	0	4040	00	. 1
10	1 1		0	1
11	0	X	×	X
11	1	X	X	X
	6 \ \			A.

(	2 of their)
$\overline{\mathcal{D}}$	flip-flops
Bx	

12.	<b>/</b>	2 4			
A	00	01	11	10	
0	0	0	1	0	
1	0	1	X	×	

$$B_{B} = A'B' \times$$



