9

QE 112: HW #11
10.5, 10.13

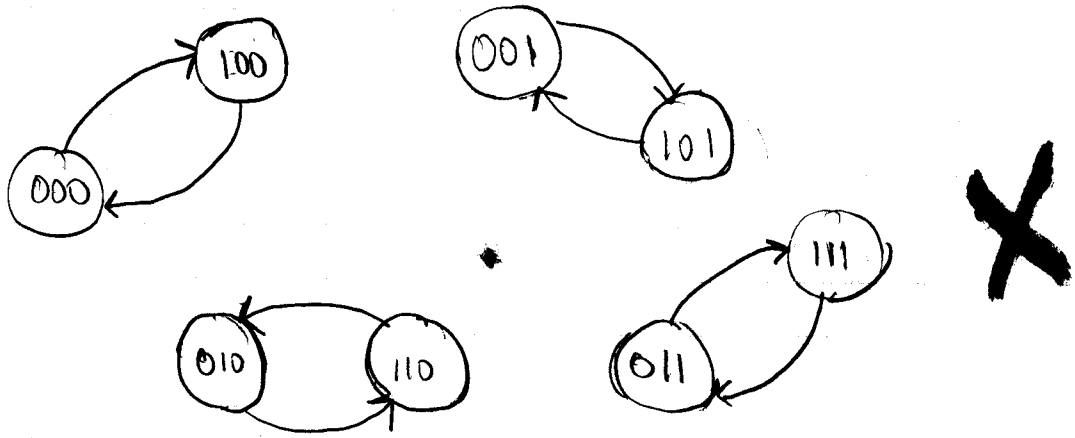
Jesse Lew
12/8/99

10.5. G: table
F: state diagram
S:

Present $a_2\ a_1\ a_0$	Next $a_2\ a_1\ a_0$	
0 0 0	1 0 0	✓
0 0 1	1 0 1	✓
0 1 0	1 1 0	✓
0 1 1	1 1 1	
1 0 0	0 0 0	✓
1 0 1	0 0 1	✓
1 1 0	0 1 0	✓
1 1 1	0 1 1	

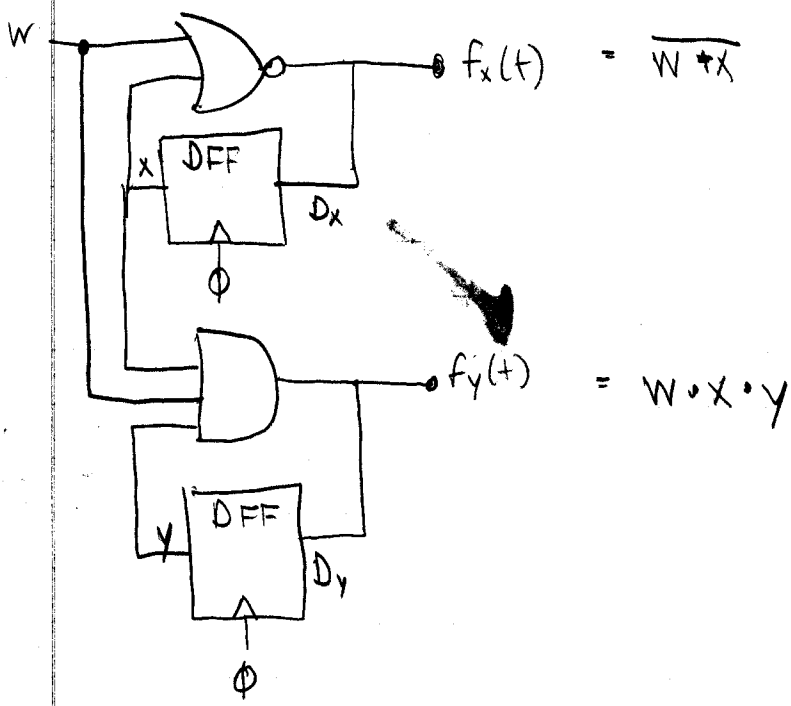
✓

H 102
Σ 379



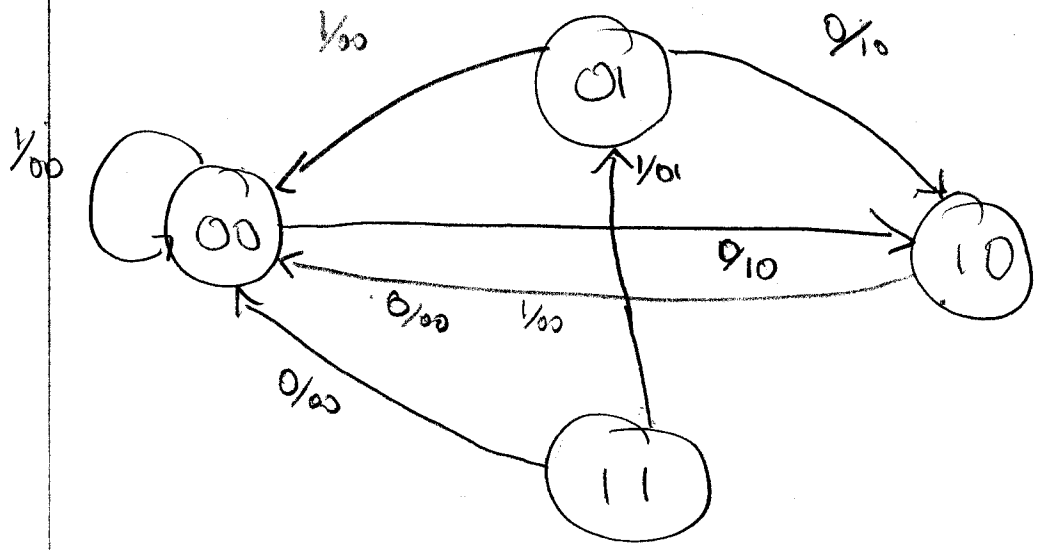
X

10.13 G: circuit
F: state diagram
S:



xy \ W	0	1
00	10	00
01	10	00
10	00	00
11	00	01

next / output


1/00
01
0/10
1/00
1/01
00
10
0/10
0/00
1/00
0/00
11