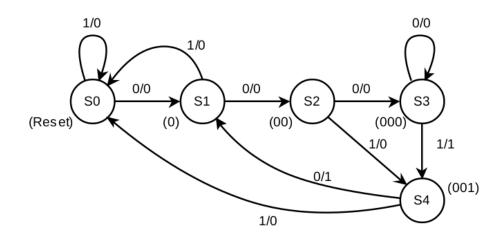


Mealy state diagram



Seq/	\Diamond <	NS		output (Z)		
Seal	1)	W=0	W = 1		W=0	W = 1
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	56	S.1	S		\bigcirc	\bigcirc
~011		S	56			
<u>"</u> 00"		Si	Sy			\bigcirc
000	S ₃	53	Sy			K
700111	Sy	Si	So		\	\bigcirc

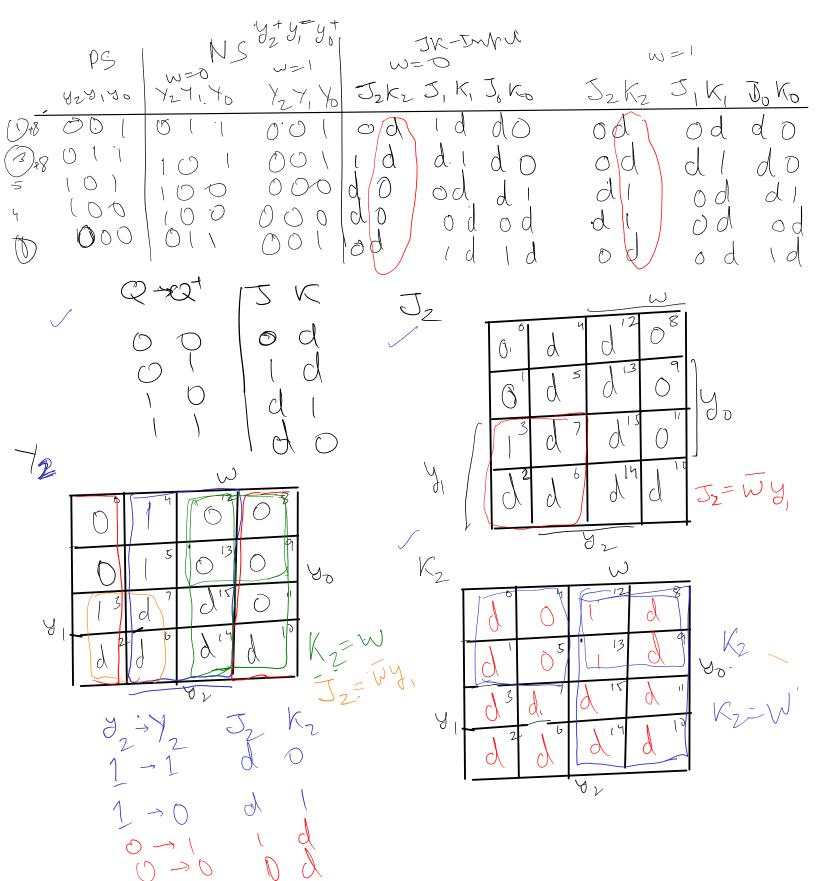
Seq	PS	NS		Output	
		W=0	W=1	W=0	W=1
0	S0	S1	S0	0	0
"0"	S1	S2	S0	0	0
"00"	S2	S3	S4	0	0
"000"	S3	S3	S4	0	1
"001"	S4	S1	S0	1	0

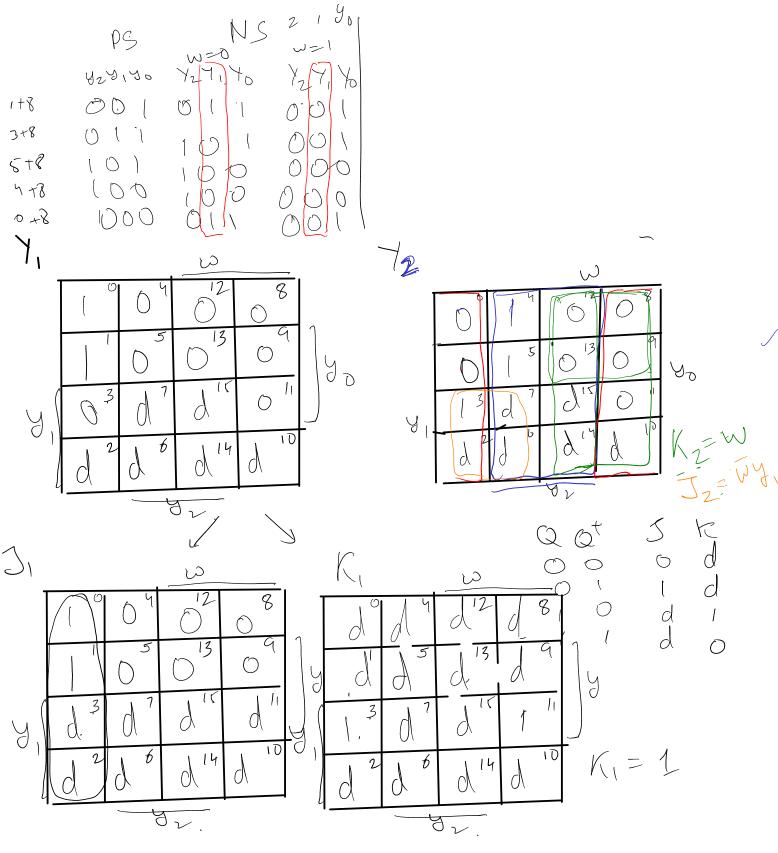
$\frac{S_0}{S_1}$	51252 51252 50254	5753			
	50	S	53	\sqrt{s}	Sy
Sec	pS	W=0	NS W=1	W=0	Output W=1
0	S0	√ S1	S0	0_0	
"0" "00"	S1 S2	S2 S3	S0 S4	0	
"000	0" S3	S3	S4	0	1
"002	1" S4	S1	S0	1	0

G1: In-neighbors: (SO, SI, Sy), (SO, SY) (S2, S3)x2 Common next state

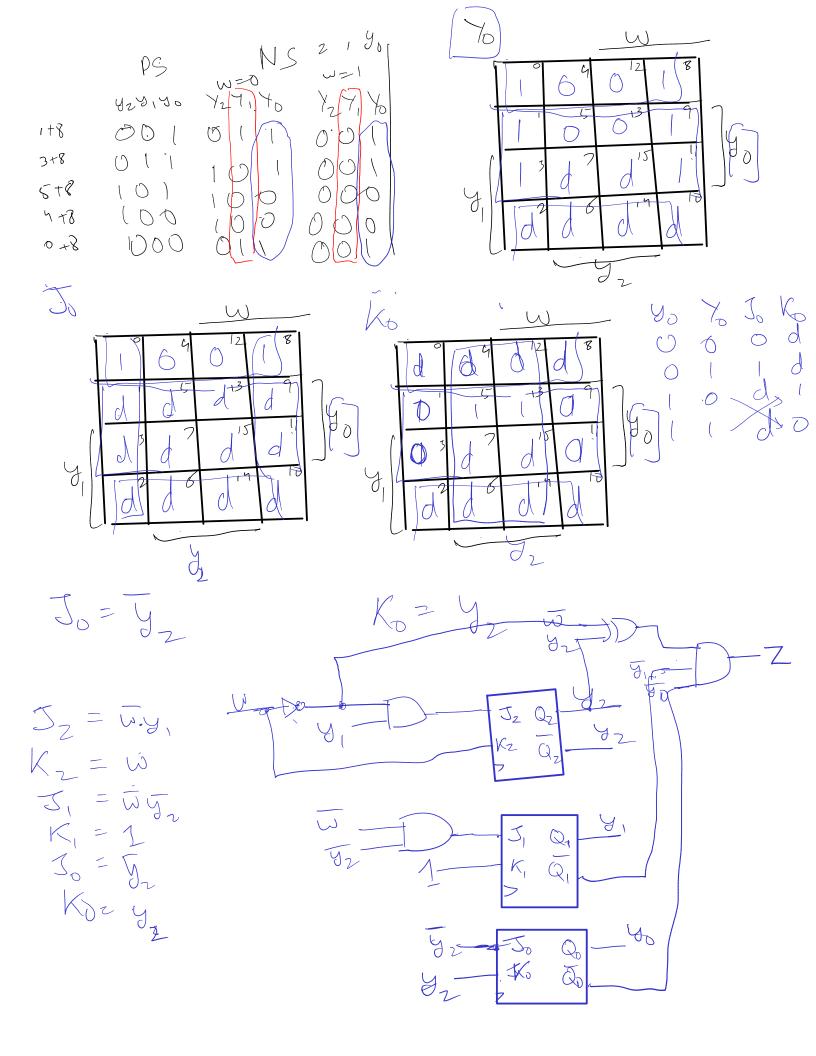
C2: Out-neighbors: (SI, SV), (SZ, SV), (SZ, SV)x2 common previstate

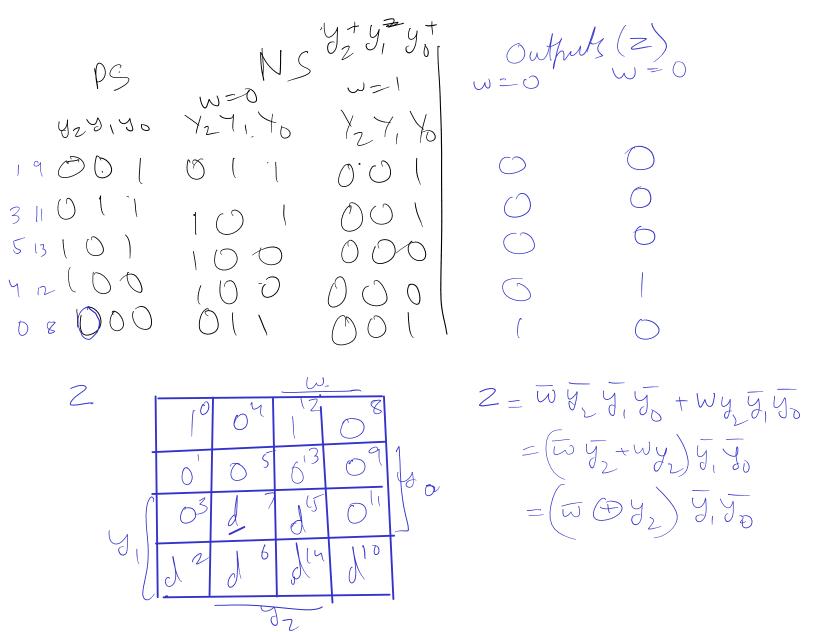
State assignment 4 2 # stules = 5 = 8 3-ff y 2 y , y 6 Si Output Seq PS NS W=0 W=1 W=0 W=1 S1 S0 (S0 0 "0" S1 S2 S0 "00" S2 S3 S4 "000" S3 S3 S4 "001" S4 S1 S₀ J2K2 J, K, Jo Ko 00/ Excitation table JK-ff nesito W





JI = WYZ





G1: in-neighbors: (S0, S1, S4), (S0, S4), (S2, S3), (S2, S3)

G2: out-neighbors: (S1, S0), (S2, S0), (S3, S4), (S1, S0)