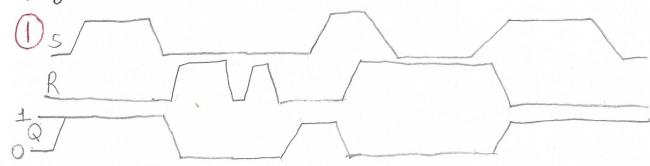
Ertugnu KANTAR 05190000086 frlugus

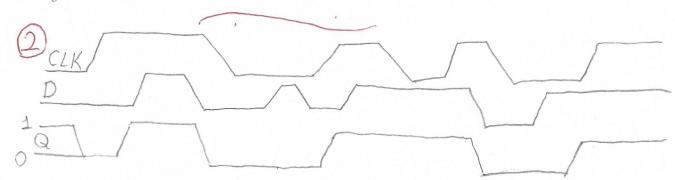
Öder 9



 $*S=1, R=0 \rightarrow Q=1$ $S=0, R=1 \rightarrow Q=0$

S=0,R=0 -> Q= Oprev S=1,R=1 -> Q=0 (Involid)

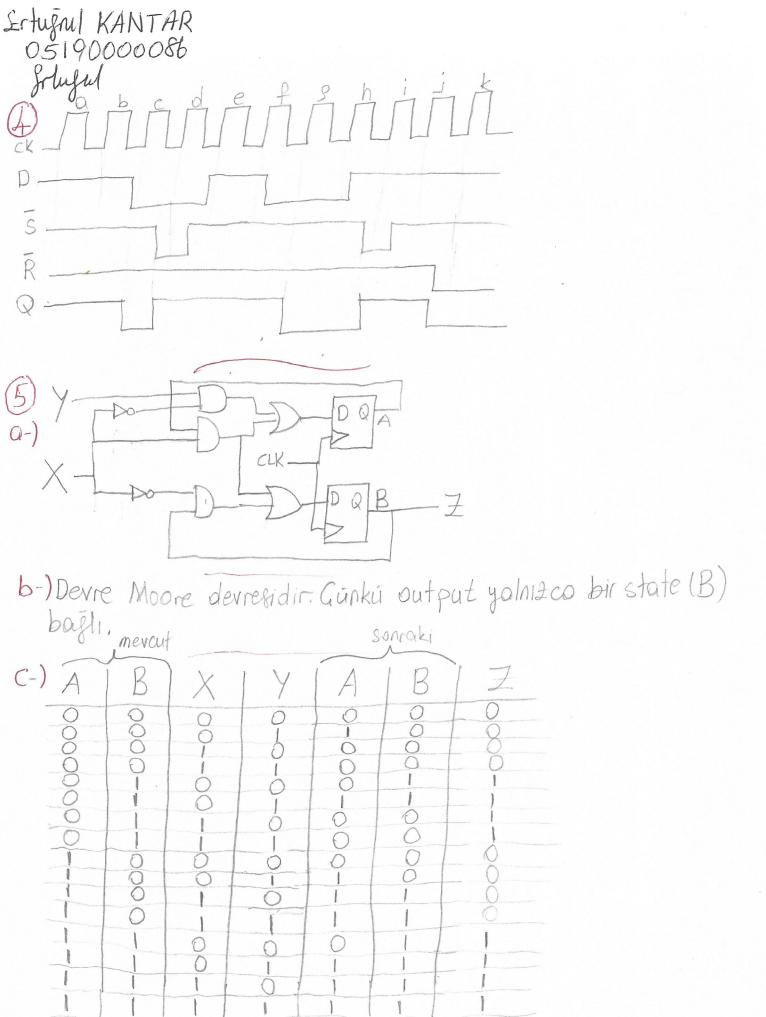
·Q yu hem O hem I den başlattım, yukandaki durumlara uyarak değişimi cizdim.



*CLK1 olduğunda Q=D oluyor (Transparent) CLKO olduğunda Q,D deki değişimden etkilenmiyor. (Opaque)

3 Bu devre bir sequential togic devresi. Hem set hem de reset barındıran bir D flip-flopu.

$$S=0$$
, $R=1 \rightarrow Q=1$ (S=1, $R=0$)
 $R=0$, $S=1 \rightarrow Q=0$ (S=0, $R=1$)
 $S=R=1 \rightarrow Normal D flip-flop$

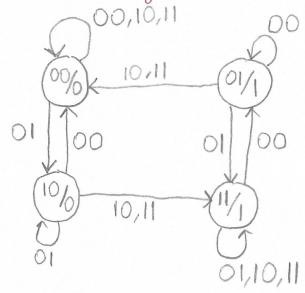


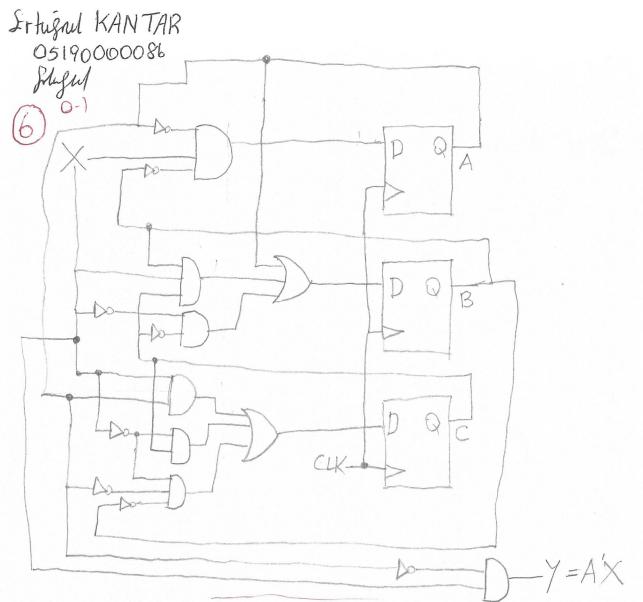


Ertufrul KANTAR 05190000086 fluful

*Analizale state diafrom istenoligini sonra ofrendim. Bu sebeple ek Soyfalar ekledim analara

5-e State Diagram (Moore Machine)





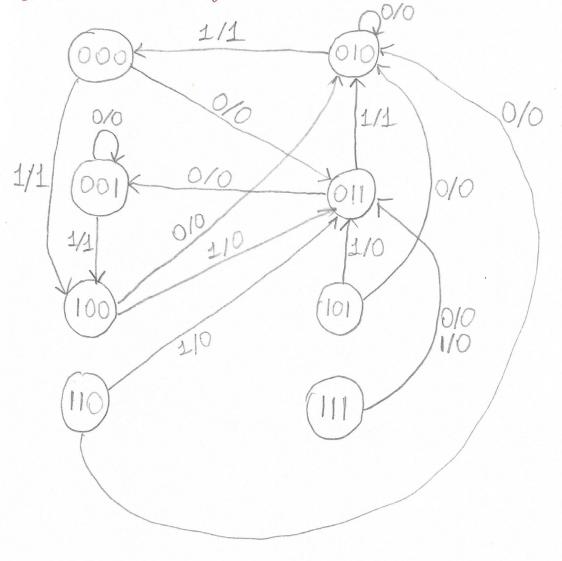
b-) Devre Mealy devresi. Çünkü Y hem inputo hem de state başlı.

C-) A B C X A+ B+ C+ Y 0 0 0 0 0 0 0 1 0 0 1 0 0 0 1 0 0 0 1 0 0 1 0 0 0 1 0 0 1 0 0 0 1 0 0 1 0 0 0 1 1 0 0 0 1 0 0 1 0 0 0 1 0 0 1 0 0 0 1 0 0 1 0 0 0 1 0 0 1 0 0 0 1 0 0 1 0 0 0 1 0 0 1 0 0 0 1 0 0 1 1 0 0 0 1 0 0 1 1 0 0 0 1 0 0 1 1 0 0 0 1 0 0 1 1 0 0 0 1 0 0 1 1 0 0 0 1 0 0 1 1 0 0 0 1 0 0 1 1 0 0 0 1 0 0 1 1 0 0 0 1 0 0 1 1 0 0 0 1 0 0 1 1 0 0 0 1 0 0 1 1 0 0 0 1 0 0 1 1 0 0 0 1 0 0 1 1 0 0 0 1 0 0 1 1 0 0 0 1 0 0 1 1 0 0 0 1 0 0 1 1 0 0 0 0						4	1101	11 010	
	C-) A 00000000000000000000000000000000000	B0000-1-10000-1-1	C 0 0 1 1 0 0 1 1 0 0 1 1 1	X0-0-0-0-0-0-0-0-	40-0-0000000000000000000000000000000000	0000	0 0 0 0	70-0-0-0000000	
		1		0	0 1	and a		10	
	, 1			- U	1			1.0	
	1 1	Diffine and the second	1		0 1			10	
		and the same of th			0.	1	1		
1		' /	*			1			



Ertugnul KANTAR 0519000086 Stuful

6-c State Diagram (Mealy Devresi!)

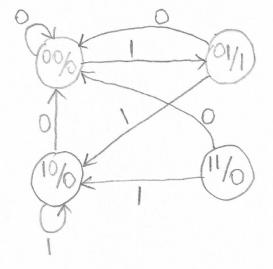


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(7) a-1Y=AB, output yalniz statelere başlı, Moore olevre 81.

b-)	A(++1) = (A+B)	X
	B(++1)=XAB	
,	Y=AB	

A	B	X	1A+	B	14
0	0	0	0	10	10
0	0	1	0		10
0		0	0	0	appears -
0			1	10	1
1	0	0	0	0	10
11	0	1		0	10
The same of the sa		0	0	0	0
	The same of	1/		0	0



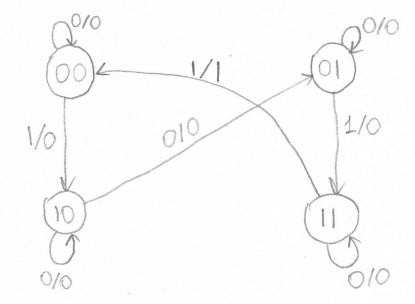
Ertuğrul KANTAR 0519000086 Stuful

(8) a-) Y=(Cnt) QoQ1, output hem statelere hem inputa bagl1. Mealey devicesi.

6-)Qo(4+1)=(Cnt)+Qo

Q, (++1) = [(Cn+)Q,]+[(Cn+)Q,Q,]+[(Cn+)Q,Q,] Q, (O) (Cn+) Q+ (O+) Y=(Cn+)Q,Q,

Qo	QI	Cnt	1 Qo	Qi	1 Y
0			0	0	10
0	0			0	
0		0	0		0
0					
	0	0 1		0	0
	0	1	0 1		0
-	-	0			0
	and the same of th		0	0	



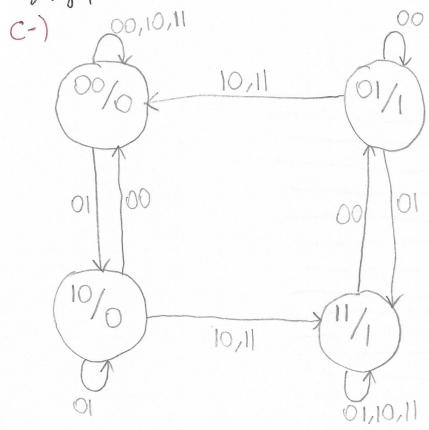
5

Ertufrul KANTAR 05190000086 frluful (0) B+ BT 000 -0 0/0 (Mealy) 1/0 1/0 0/1

7

£rtufrul KANTAR 05190000086 Srluful -00 B CLKb-) XOO

Ertugrul KANTAR 05190000086 Stuful



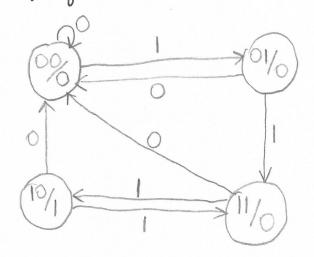
(Moore)

(12) $Q_1(1+1) = (Q_1 + Q_2)W$ $Q_2(1+1) = (\overline{Q_1} + \overline{Q_2})W$ $Z = Q_1 \overline{Q_2}$ (Moore)

QI	Q_2	W	Qt	Q2	Z
0	0	0	0	0	0_
0	0	1	0		0
0		0	0	0	0
0					0
	0	0	0	0	1
	0 1	-	1		1
		0 /	0	0	0
		- Control of the Cont	g _a	0	0
	1				

9

Ertuful KANTAR 0519000086 Shugul





A	B	- Leave	A	1 B+	1
0	0	0	1	0	0
0	0	· Control of the cont		0	0
0	No. of Street, or other Persons and Street, o	0			0
0					0
consuma province	0	0	0		0
	0	and the same of th	0		0
1		. 0	and the same of th	And the second	1
			0	0	

