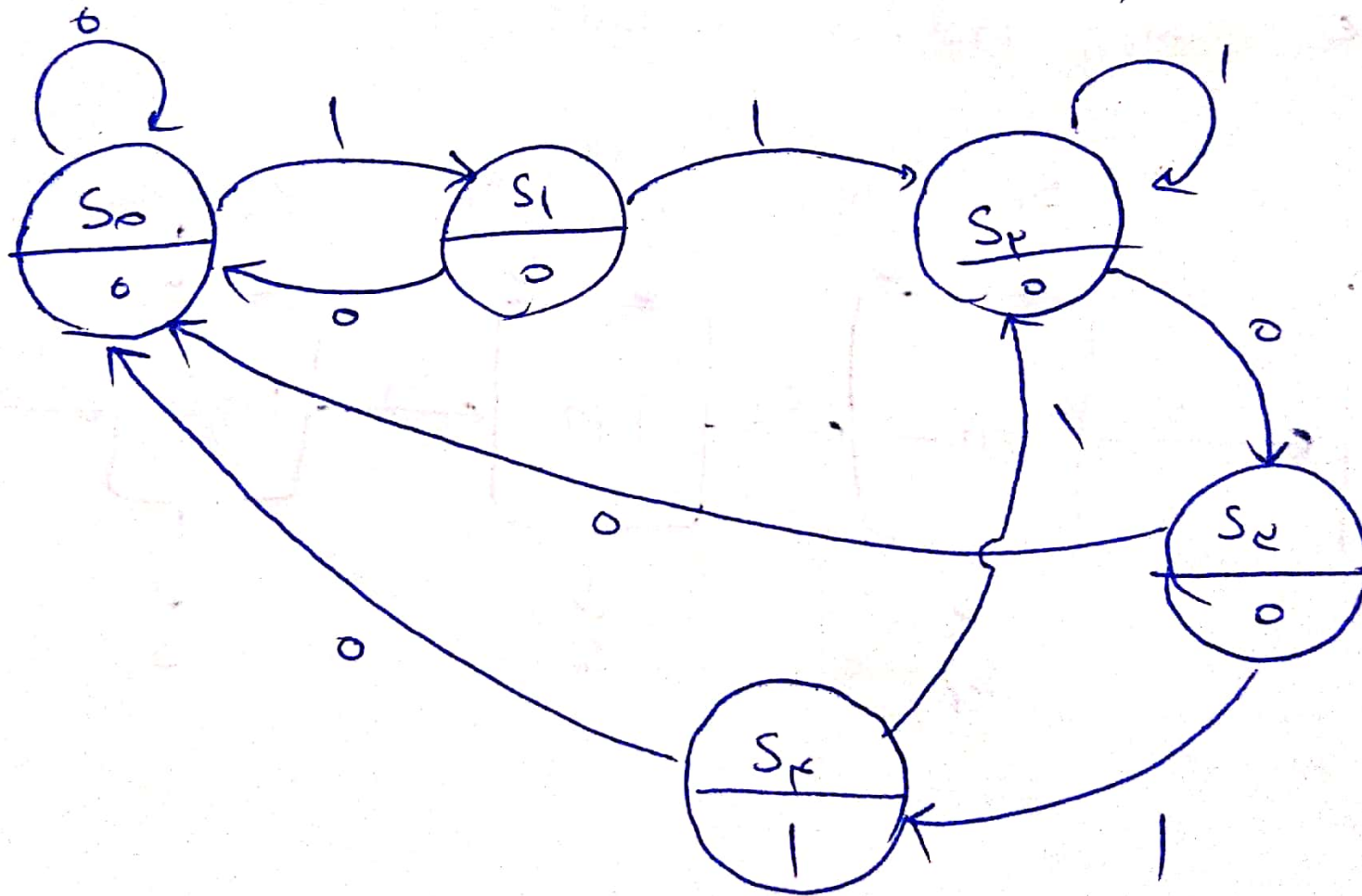
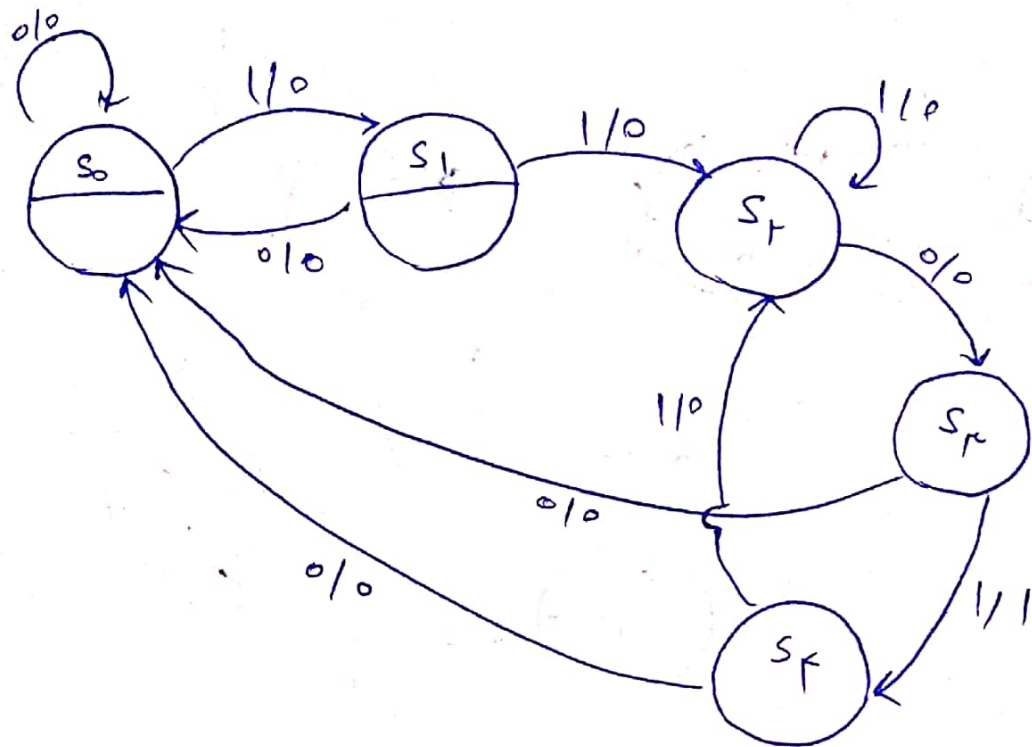


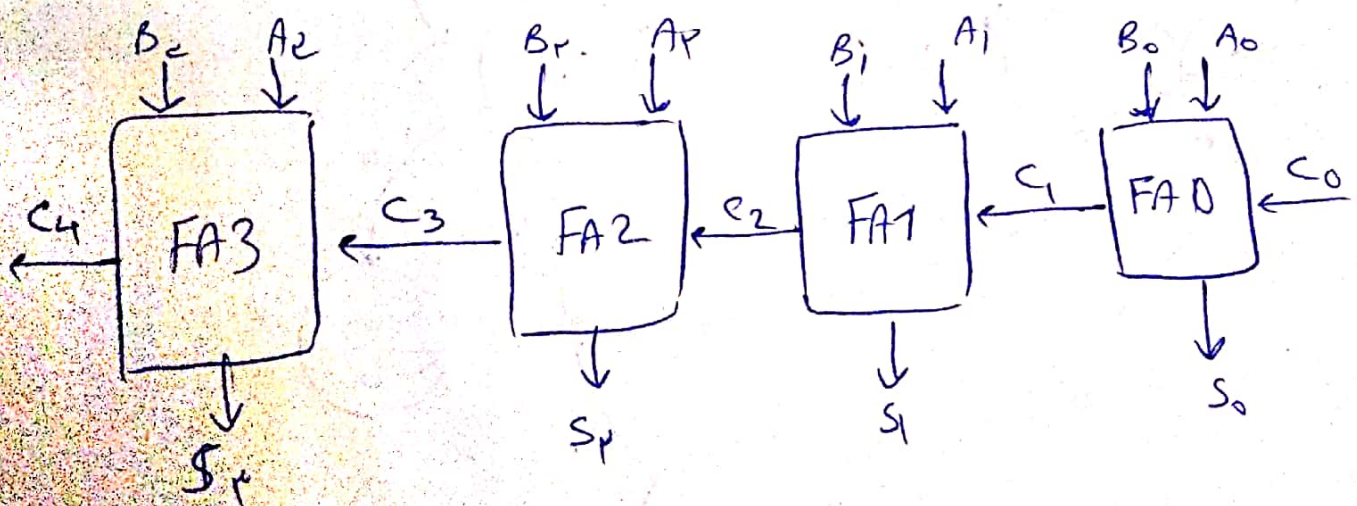
State machine "1101" \Rightarrow (moore)



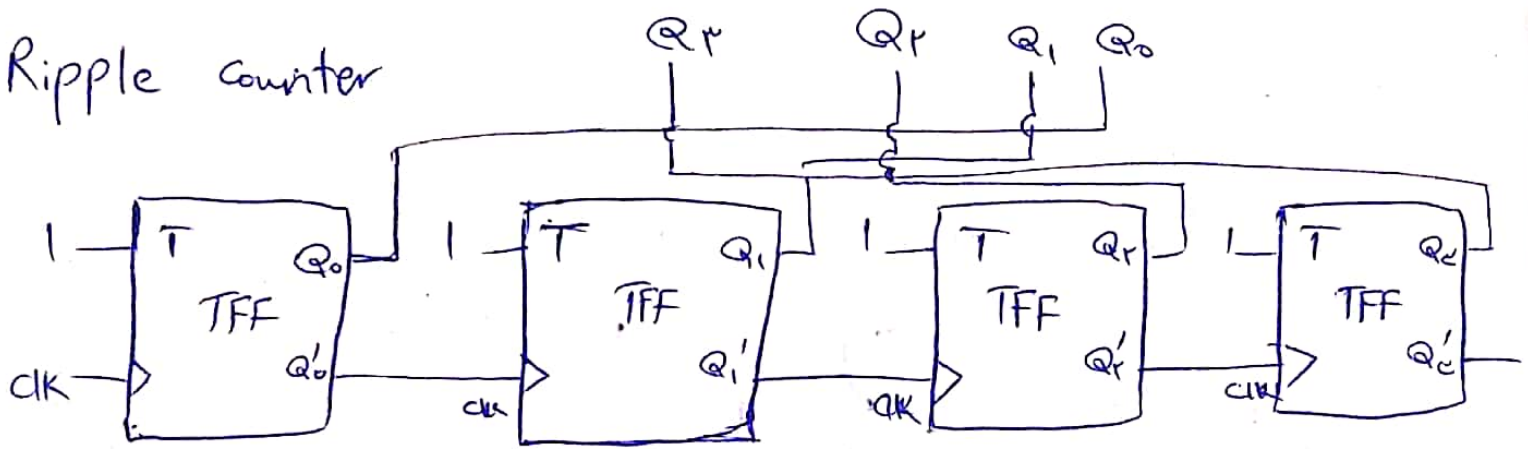
Mealy



4bit Ripple Carry Adder Circuit



Ripple counter



T Flip Flop

	previous		next	
T	Q	Q'	Q	Q'
0	0	1	0	1
0	1	0	1	0
1	0	1	1	0
1	1	0	0	1

hold

toggle

اگر $reset = 1$ باشد خروجی صفراست و اگر نه براس جدول بالا تقسیم داری شود

D Flip Flop

D	Q(t)	Q(t+1)
0	0	0
1	0	1
0	1	0
1	1	1

State machine "0110", "0101"

