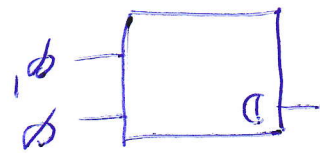


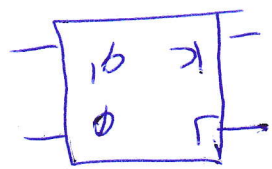
Q.1) D flip flop

Q <sub>n+1</sub>	Q <sub>n</sub>	Q <sub>n</sub>	Q <sub>n</sub>
Q <sub>n</sub>	Q <sub>n</sub>	Q <sub>n</sub>	Q <sub>n</sub>
Q <sub>n</sub>	Q <sub>n</sub>	Q <sub>n</sub>	Q <sub>n</sub>
Q <sub>n</sub>	Q <sub>n</sub>	Q <sub>n</sub>	Q <sub>n</sub>



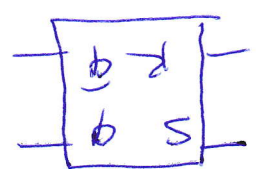
Q.2) JK flip flop

Q <sub>n+1</sub>	Q <sub>n</sub>	Q <sub>n</sub>	Q <sub>n</sub>
Q <sub>n</sub>	Q <sub>n</sub>	Q <sub>n</sub>	Q <sub>n</sub>
Q <sub>n</sub>	Q <sub>n</sub>	Q <sub>n</sub>	Q <sub>n</sub>
Q <sub>n</sub>	Q <sub>n</sub>	Q <sub>n</sub>	Q <sub>n</sub>



Q.3) SR flip flop

Q <sub>n+1</sub>	Q <sub>n</sub>	Q <sub>n</sub>	Q <sub>n</sub>
Q <sub>n</sub>	Q <sub>n</sub>	Q <sub>n</sub>	Q <sub>n</sub>
Q <sub>n</sub>	Q <sub>n</sub>	Q <sub>n</sub>	Q <sub>n</sub>
Q <sub>n</sub>	Q <sub>n</sub>	Q <sub>n</sub>	Q <sub>n</sub>



Solve 5th Example

A	B	C	F
1	1	1	1
1	1	0	1
1	0	1	1
1	0	0	0
0	1	1	0
0	1	0	1
0	0	1	0
0	0	0	1

$F = A'B'C + A'BC + AB'C + ABC$

A	B	C	F
1	1	1	1
1	1	0	1
1	0	1	1
1	0	0	0
0	1	1	0
0	1	0	1
0	0	1	0
0	0	0	1

$F = A'BC + AB'C + A'BC + A'BC$

Solve 4th Example