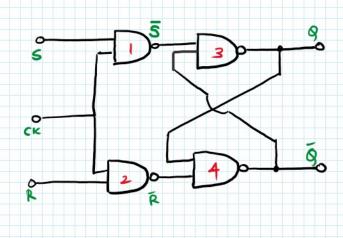
S	R	9	9	Status
0	0	0	ı	Assume initial reset (No change)
O	1	0	1	Reset
ı	0	1	0)	Set .
0	0	1	0	No charge (Memory)
1	0	1	0	8et Set
0	1	0	,	Reset
)	,	*	1*	9nvalid / Forbidden

š	Ŕ	9	Ō	Statu
1		0	·	Assume initial neact (No change)
0	1	1	0	&t .
1	0	0,	1,	Reset
-	1	0	1	No change (memory)
1	0	0	1	Reset
0	1	l l	0	Set ()
0	0	l 1*	1*	Invalid / Forbidden / Urdefined / Uncertain

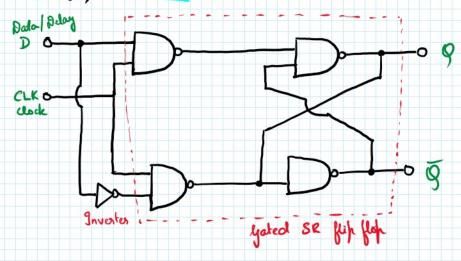
GATED/ CLOCKED S-R FLIP FLOP

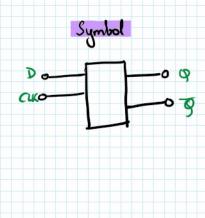


CLK	S	R	g	Ō.	Status
0	X	X	9	9	No change (memory)
-1	0	0	8	8	No change (memory)
1	0	(0	(Reset
1	1	0	1	O	Set
- (1	(1*	*	Invalid / Farbidden

CLK	S	R	Q	ō	Status
0	-1-	0	o	Í	No change (memory)
0	0		0	1	No change (memory) No change (memory)
1	O	1	0	1	Resul
0	0	0	O	1	No change (memory)
)	0	(0	1	Reset
1	1	0	- 1	0	Set
0		0	ı	0	No change (memory)
	1	0	t	0	Set

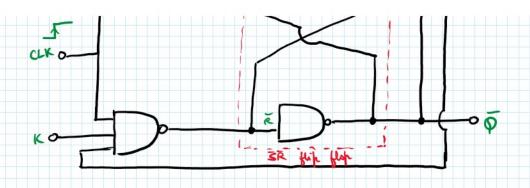
DATA (D) FUP - FLOP

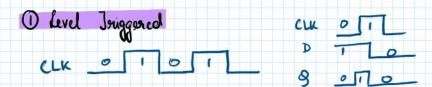




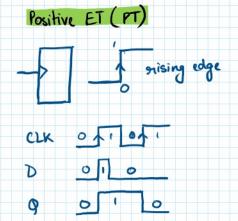
CLK	D	Q	<u>\$</u>	Status
0	X	9	9	Memory
1	0	0	1	Reset
1	П	1	0	Set

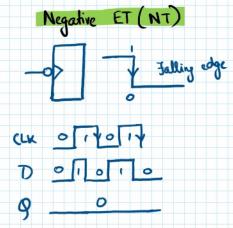
JK FUP-FLOP (POSITIVE EDGE TRIGGERED)





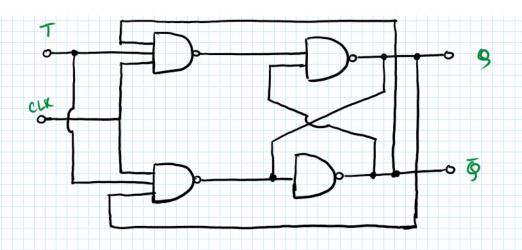
2 Edge Jriggered

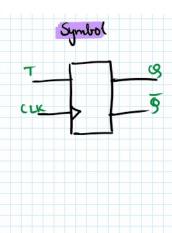




CLK	J	K	Q	Q	Status	
1→0: } on \$	X	X	Q	8	Memory	
0-1: 1 5714	0	0	9	9	Memory	
0-1: 1000 1	0	1	0	1 12	Reset	we assume values of Q. 9
0-1: 10-1	t	0	.1	0,	Set	$g=0 \rightarrow 0 \qquad \overline{Q}=1 \rightarrow 1$ $g=1 \rightarrow 0 \qquad \overline{Q}=0 \rightarrow 1$
0-1:1001		1	9	9	Joggle	We assume values of 9, 8 9=0 -> 1
						8-1-1 8-0-0

T (TOGGLE) FLIP FLOP





CLK	Т	9	Q	Status
0:4	X	9	9	No change
1:4	0	9	9	No change
1:4	1	9	9	Joggles