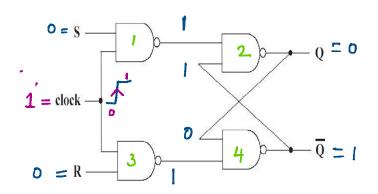
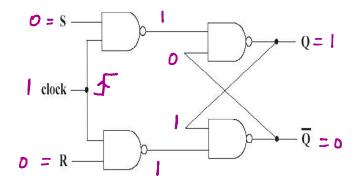
## **SR flip-flop**

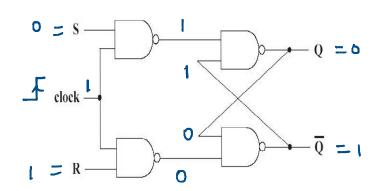


clock	S	R	Q	Q(t+1)
壬	0	O	O	0

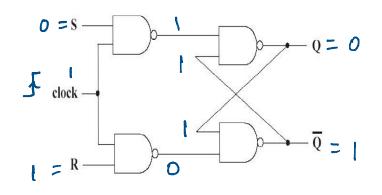


clock	S	R	Q	Q(t+1)
<u> F</u>	٥	0	l	ı
				1

S	R	Q	Q(t+1)	State	
O	0	0	0 7	11.0	hange
0	0	1	1 5	Mo C	ruge

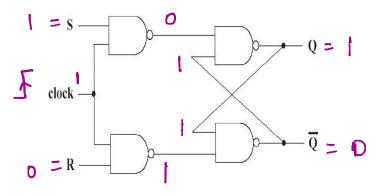


S	R	Q	Q(t+1)
0	t	٥	D

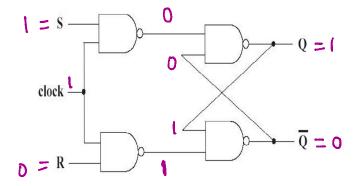


S	R	Q	Q(t+1)
0	t	- 1	0

S	R	Q	Q(t+1)	State
0	l	0	0 9	Puet
0	ı	1	ر ه	

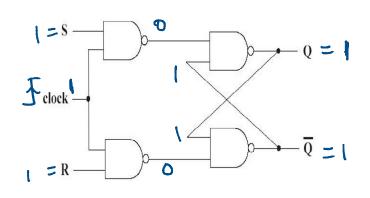


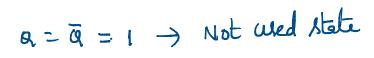
S	R	Q	Q(t+1)
	0	٥	



S	R	Q	Q(t+1)
l	0	1	4

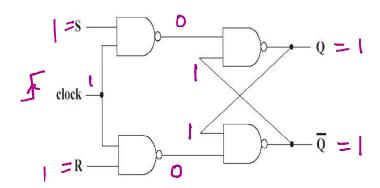
S	R	Q	Q(t+1)	State
l	0	0	1 2	Set
l	٥		1 7	Nete





S	R	Q	Q(t+1)
l	1	٥	*

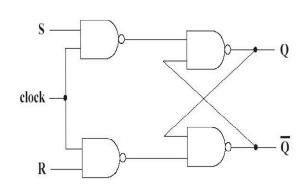
S



$$Q = \overline{Q} = 1 \rightarrow \text{prohibited (ob)}$$
 $R \quad Q \quad Q(t+1)$ 

S	R	Q	Q(t+1)	State	
L	1	0	× '	2 1126	used
L	L		×	JNOU	, when

X



clock	S	R	Q	Q(t+1)	Sta	ite	
¥=0	0	0	0	0	7		
Z=0	0	0	l	1			
7	1	0	0	0			
7	L	0	l				. •
7	0	1	Ö	0	~	·	No
7	Ů	l	ŀ				change
7	l	1	D	6			0
¥	l	1	ı	1	J		

+ve edge triggered se flip flop

+ve edge triggered se flip flop

+ve edge

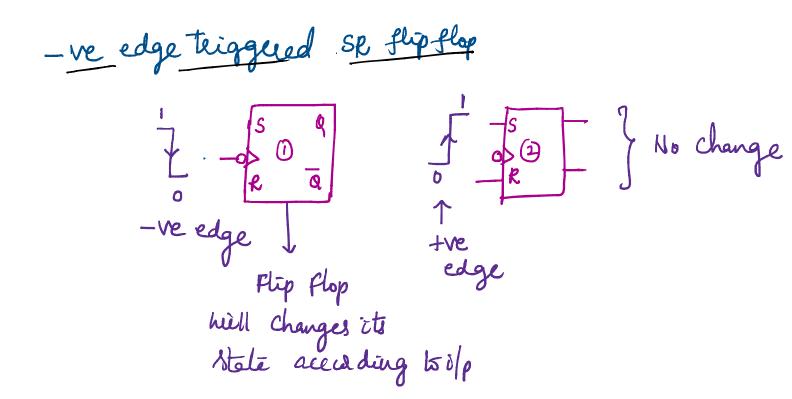
-ve edge

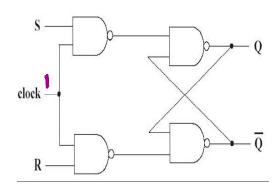
state

state according to 4p by

applying +ve edge triggering

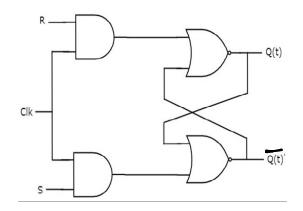
no change state



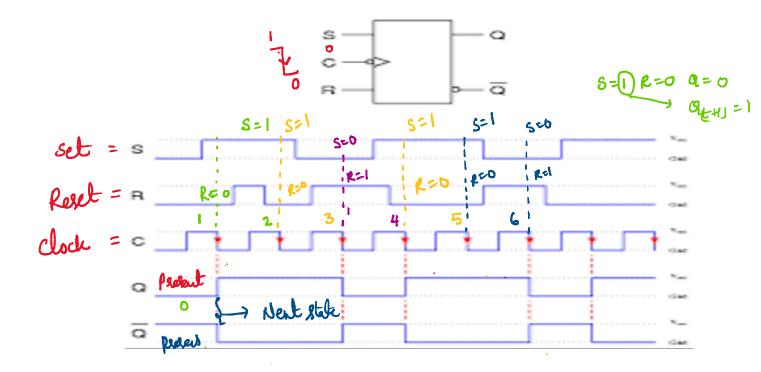


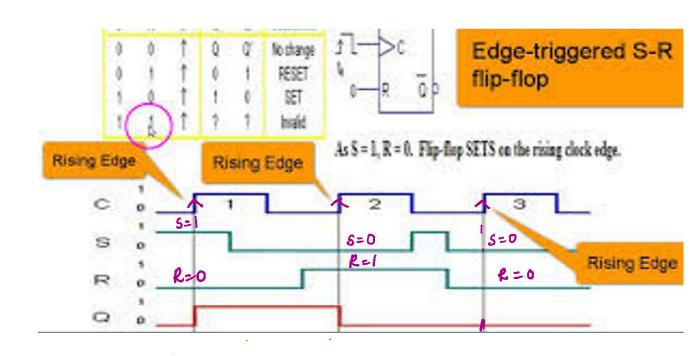
clock	S	R	Q	Q(t+1)	State	
Ł	×	×	0	0 7	No (	hange
Z	X	X	1	ا ا		ge
子	0	0	0	02	No (	Lange
<b></b>	O	0	1	1 ]	.,,,,	hange
本	0	1	0	>0 ?	0010	+
季	b	l	1	0	New	
上	1	0	0	7 1 2	cot	state
五	l	٥	1	iJ	800	
季	L	1	6	× 1	Not	wed
于	t	t	٥	×j	(8) (8)	bihited

## SR flip flop



clock	S	R	Q(t)	Q(t+1) State
¥=0	Х	×	×	No change
于	ð	0	Ó	0 & No change
季	0	0	L	1 )
<b></b>	O	l	٥	o 2 rolet
季	0	l	1	0
子	l	0	0	12 64
于	L	0	<u>f</u>	1 300
于	t	l	0	× } Not wed
卡	l	(	l	× J Not





## Sk flip flop with -ve edge triggered waveform

