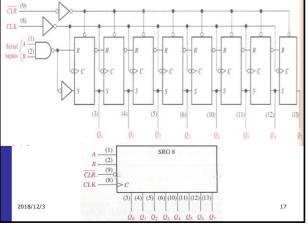
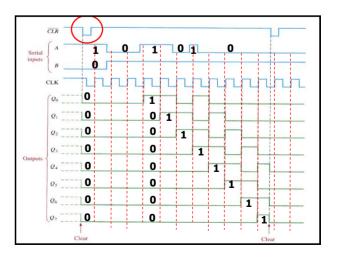
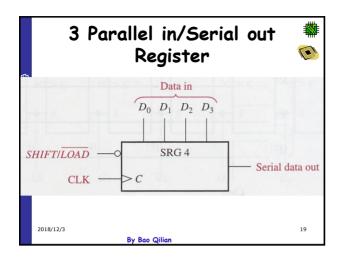
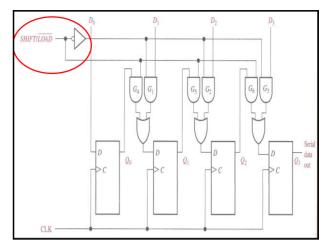


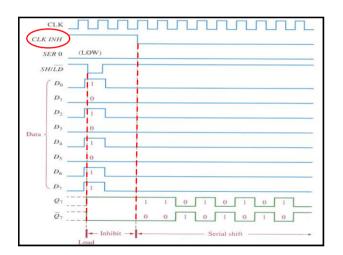
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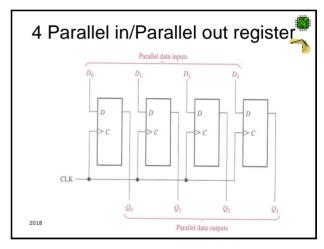


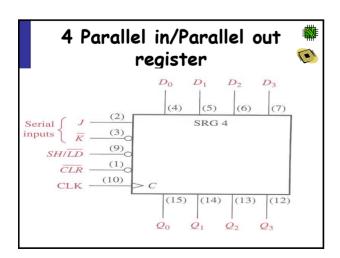


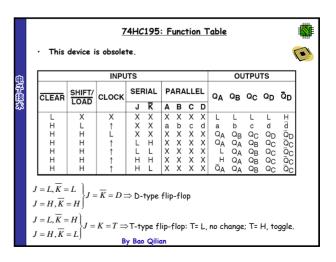


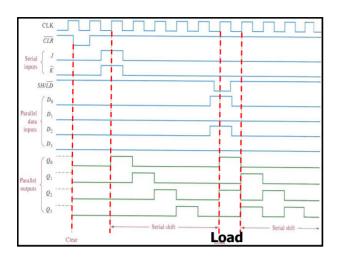


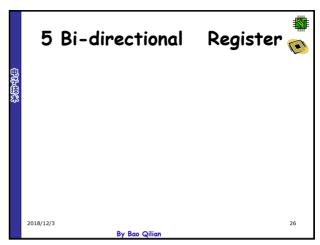


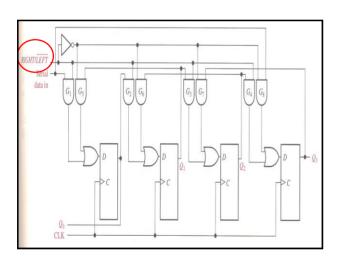


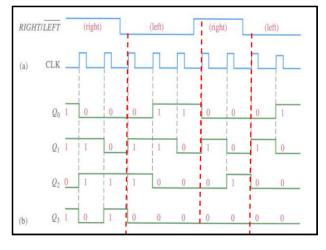


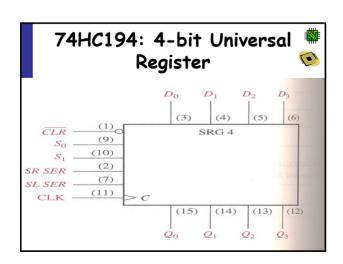




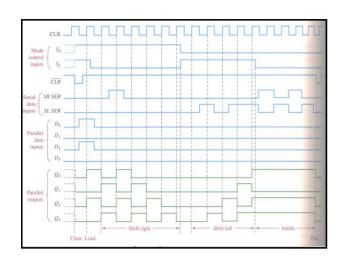








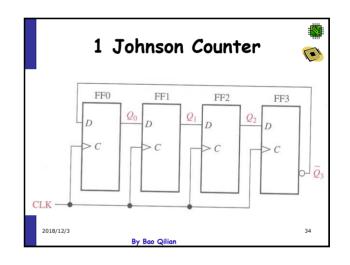
	74HC194: Function Table													
	· 51	S	S <sub>1</sub> S <sub>0</sub>		F	Function								
e e				e tiv	e possi	ble	0	0		in	hab	oit		
	opero						_	-		-				
	-	Cle	ar				0	1		S	hift	rig	ht	
3	- Parallel loading								10		Shift left			
		<ul><li>Right shifting</li><li>Left shifting</li></ul>									Load			
	CLR	S1	SO	CLK	SL SER	SR SER	DO	D1	D2	D3	QO	Q1	Q2	Q3_
	L H	×	X	X	×	×	×		X		L	L 01	L 02	L
	Н	Н	Н	<b>†</b>	×	×	a	b	C	d	a	p.		ď
	Н	L	Н	<b>†</b>	×	r	Х	х	Х	Х	r	QΟ	Q1	Q2
	Н	Н	L	<b>†</b>	l I	×	X		Х	Х		Q2		ı
	<u>H</u>	L	L	Х	×	X	×	X	×	×	QO	Q1	Q2	<u>Q3</u>





## 9.2 Shift Register Counter (移位寄存器型计数器) Shift Register Counter · Johnson Counter (扭环型计数器): the complement of the output of the last FF connected back to the first FF · Ring Counter (环型计数器): the output of the last FF connected back to the first FF

By Bao Qilian



Clock Pulse	$Q_0$	$Q_1$	$Q_2$	$Q_3$
0	0	0	0	0
1	1	0	0	0
2	1	1	0	0
3	1	1	1	0
4	1	1	1	1
5	0	1	1	1
6	0	0	1	1
7	0	0	0	1

