

RS Flip Flop

	S	R	Q	$\bar{Q}$	Mode
1	0	1			
2	1	1			
3	0	1			
4	1	1			
5	1	0			
6	1	1			
7	1	0			
8	1	1			
9	0	1			
10	0	0			
11	1	0			
12	0	0			
13	1	0			
14	1	1			
15	0	1			
16	1	1			
17	1	0			
18	0	0			
19	1	0			
20	1	1			
21	0	1			
22	1	1			
23	1	0			
24	1	1			
25	1	0			
26	0	0			
27	1	0			
28	1	1			
29	1	0			
30	1	1			
31	0	1			
32	1	1			
33	0	1			
34	1	0			
35	0	0			
36	1	0			
37	0	0			
38	1	0			
39	1	1			
40	0	1			
41	1	1			

Clocked RS Flip Flop

	S	R	Clock	Q	$\bar{Q}$	Mode
1	0	1	↑	↑		
2	1	1	↑			
3	1	0	↑			
4	0	0				
5	1	1	↑			
6	0	1	↑			
7	0	0	↑			
8	1	0	↑			
9	0	0	↑			
10	0	1	↑			
11	1	0	↑			
12	0	0	↑			
13	0	1	↑			
14	0	0	↑			
15	1	1	↑			
16	1	0	↑			
17	0	0				
18	0	0	↑			
19	0	1	↑			
20	1	0	↑			
21	0	1	↑			
22	1	0	↑			
23	0	1				
24	0	0	↑			
25	0	1	↑			
26	1	0	↑			
27	0	0	↑			
28	1	0	↑			
29	0	1				
30	1	0	↑			
31	0	0	↑			
32	1	0	↑			
33	0	1	↑			
34	1	0	↑			
35	0	0	↑			