

Name _____

JK Flip Flops

	PS	CLR	J	K	CLK	Q	\bar{Q}	Mode
1	1	0	1	1	↑			
2	0	0	1	0	↑			
3	0	1	1	1	↑			
4	0	1	0	0	↑			
5	1	0	0	1	↑			
6	1	1	0	0				
7	1	0	1	1	↑			
8	1	1	1	0	↑			
9	1	1	1	1	↑			
10	1	1	1	0	↑			
11	0	1	1	1	↑			
12	0	1	1	0	↑			
13	1	1	1	1	↑			
14	1	1	0	1				
15	1	1	1	0	↑			
16	1	1	1	1	↑			
17	0	1	1	1	↑			
18	1	1	0	0	↑			
19	1	1	1	0	↑			
20	1	1	1	1	↑			
21	1	1	1	1	↑			
22	1	1	1	1	↑			
23	1	1	1	1				
24	1	1	1	0	↑			
25	1	1	0	0	↑			
26	1	1	1	1	↑			
27	0	1	0	1				
28	1	1	0	1	↑			
29	0	1	1	1				
30	1	0	1	1	↑			

D Flip Flops

	PS	CLR	D	CLK	Q	\bar{Q}	Mode
1	1	0	1	↑			
2	0	0	1	↑			
3	0	1	1	↑			
4	0	1	0	↑			
5	1	0	0	↑			
6	1	1	0				
7	1	0	1	↑			
8	1	1	1	↑			
9	1	1	1	↑			
10	1	1	1	↑			
11	0	1	1	↑			
12	0	1	1	↑			
13	1	1	1	↑			
14	1	1	0				
15	1	1	1	↑			
16	1	1	1	↑			
17	0	1	1	↑			
18	1	1	0	↑			
19	1	1	1	↑			
20	1	1	1	↑			
21	1	1	1	↑			
22	1	1	1	↑			
23	1	1	1				
24	1	1	1	↑			
25	1	1	0	↑			
26	1	1	1	↑			
27	0	1	0				
28	1	1	0	↑			
29	0	1	1				
30	1	0	1	↑			