

Count		Output
Decimal	Binary	
0	0	1
1	1	0
2	10	1
3	11	0
4	100	1
5	101	0
6	110	1
7	111	0
8	1000	1
9	1001	0
10	1010	1
11	1011	0
12	1100	1
13	1101	0
14	1110	1
15	1111	0
16	10000	1
17	10001	0
18	10010	1
19	10011	0
20	10100	1
21	10101	0
22	10110	1
23	10111	0
24	11000	1
25	11001	0
26	11010	1
27	11011	0
28	11100	1
29	11101	0
30	11110	1
31	11111	0
32	100000	1
33	100001	0
34	100010	1
35	100011	0
36	100100	1
37	100101	0
38	100110	1
39	100111	0
40	101000	1
41	101001	0
42	101010	1
43	101011	0
44	101100	1
45	101101	0
46	101110	1
47	101111	0
48	110000	1
49	110001	0
50	110010	1
51	110011	0
52	110100	1
53	110101	0
54	110110	1
55	110111	0
56	111000	1
57	111001	0
58	111010	1
59	111011	1