



DC/BA	00	01	11	10
00	0	0	1	1
01	0	1	1	1
11	0	1	1	0
10	1	0	0	0

FORMULA:
 $\bar{D}\bar{C}\bar{B}\bar{A} + CA + \bar{D}B$

D	C	B	A	OA
0	0	0	0	0
0	0	0	1	0
0	0	1	0	1
0	0	1	1	1
0	1	0	0	0
0	1	0	1	1
0	1	1	0	1
1	0	0	0	1
1	0	0	1	0
1	0	1	0	0
1	0	1	1	0
1	1	0	0	0
1	1	0	1	1
1	1	1	0	0
1	1	1	1	1



S3 - S0 (0011)

The inputs are Binary (0011) which are then converted into Decimal as number 3 displayed by the LED.