K-MAP FOR RED LED

a[1] a[0] \ b[1] b[0]	00	01	11	10
00	1	0	0	0
01	1	1	0	0
11	1	1	1	1
10	1	1	0	1

K-MAP FOR GREEN LED

a[1] a[0] \ b[1] b[0]	00	01	11	10
00	1	1	1	1
01	0	1	1	1
11	0	0	1	0
10	0	0	1	1

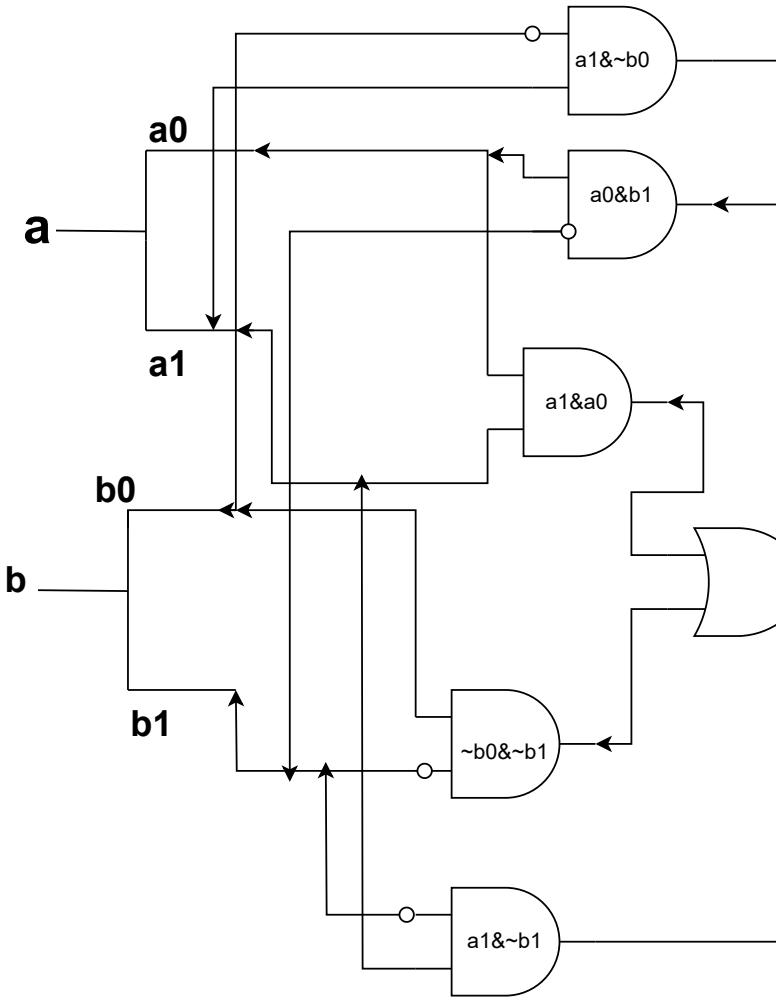
K-MAP FOR BLUE LED

a[1] a[0] \ b[1] b[0]	00	01	11	10
00	0	1	1	1
01	1	0	1	1
11	1	1	0	1
10	1	1	1	0

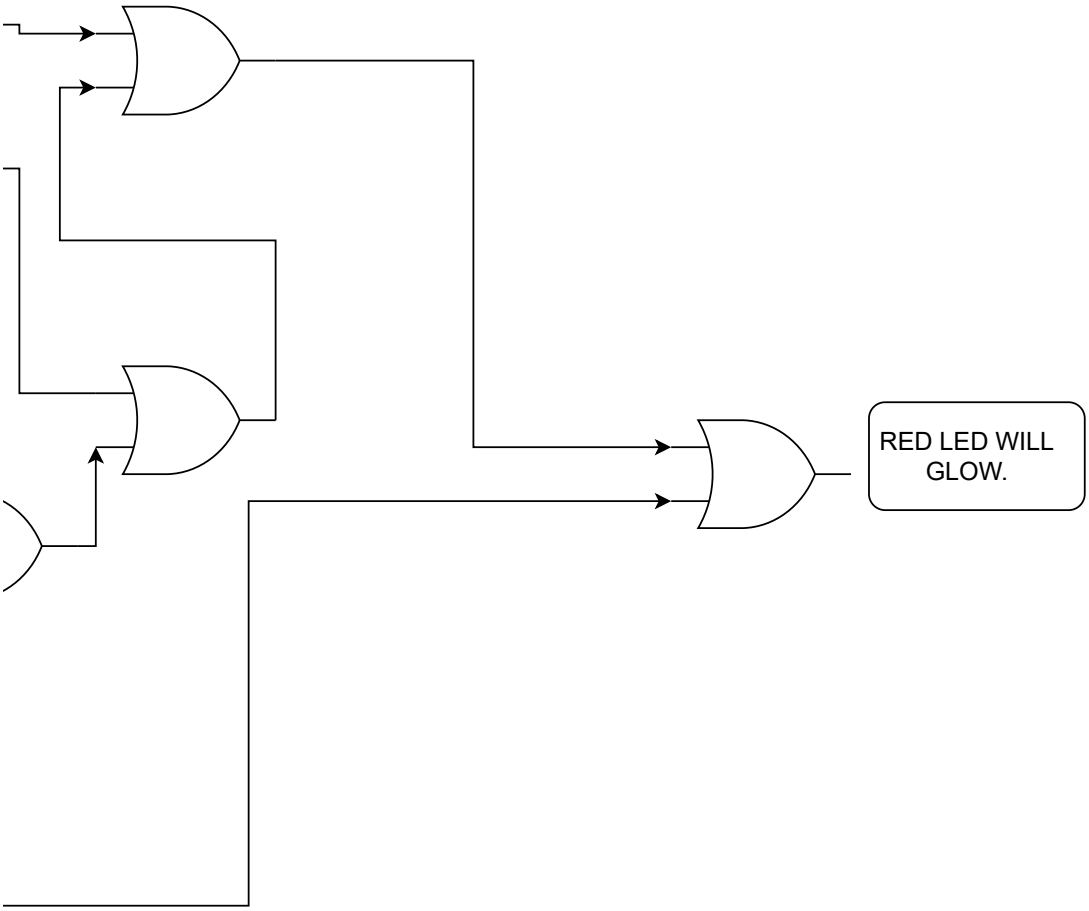
circuit diagram inferred from k-map fc

SOP equation:

(~b0)(~b1) + (~b1)(a0) + (a1)(~b1) + (a1)(a0) + (~b0)(a1)



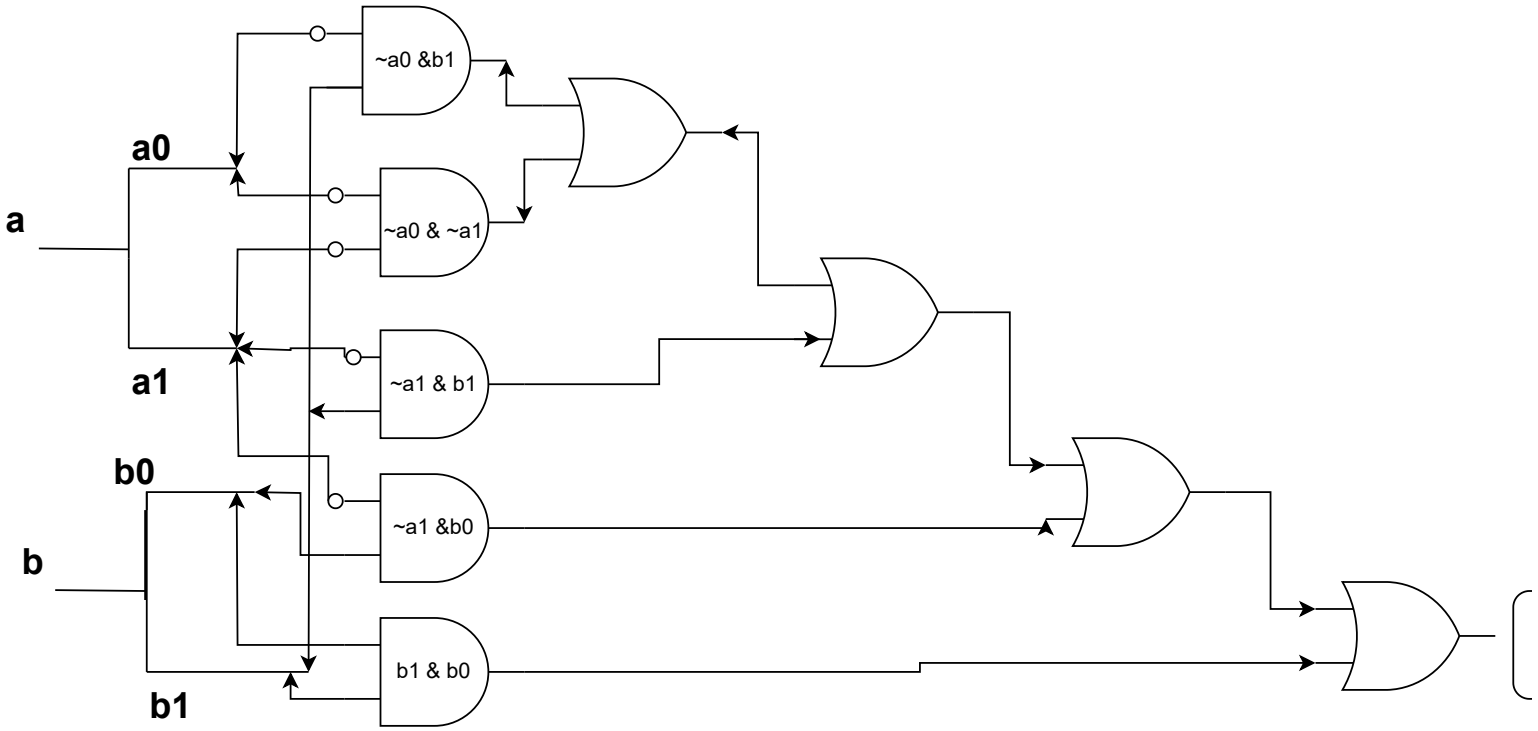
or red led



circuit diagram inferred from k-map for G

SOP equation:

(~a1)(~a0) + (~a1)(b0) + (~a1)(b1) + (b1)(b0) + (~a0)(b1)



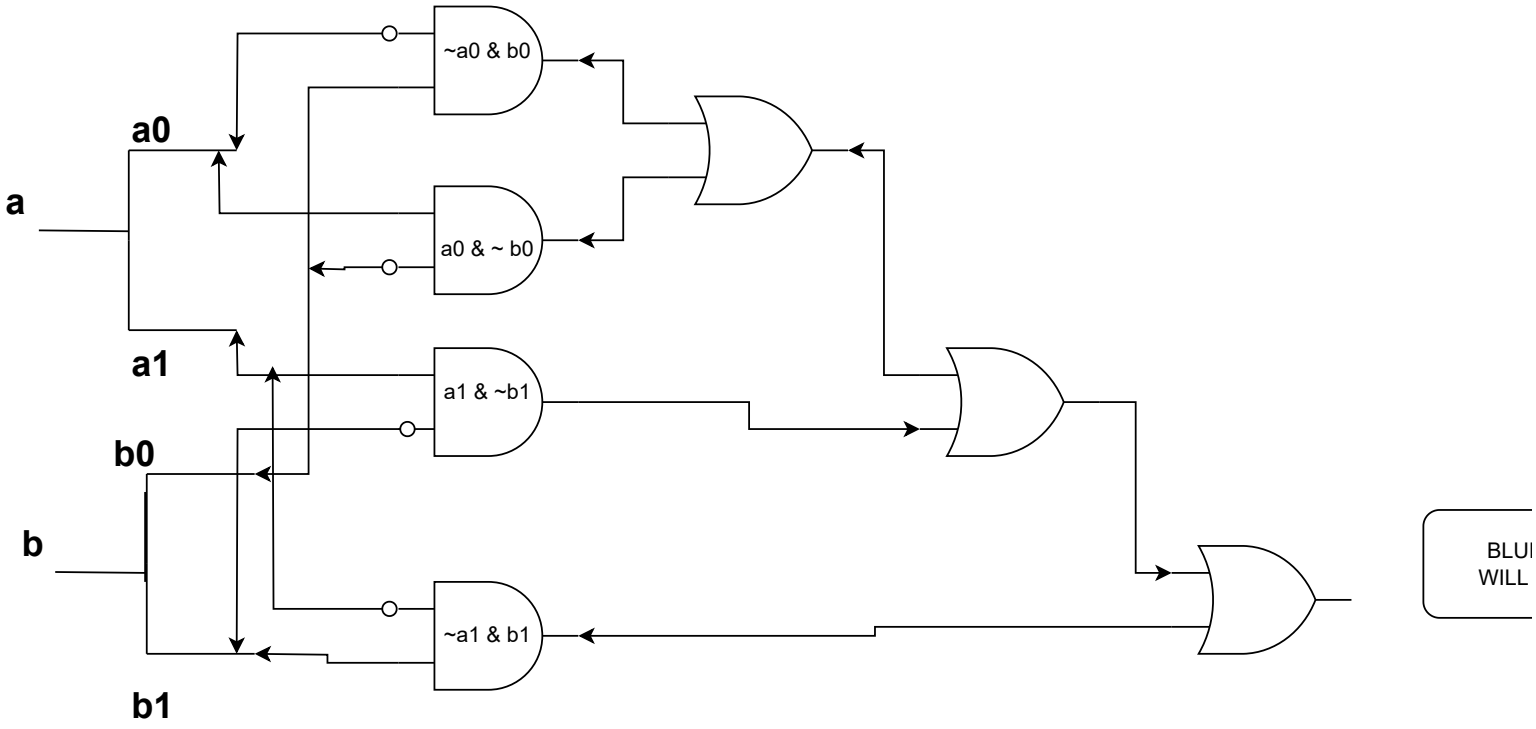
reen led

RED LED WILL GLOW

circuit diagram inferred from k-map for Blue led

SOP equation:

(a1)(~b1) + (a0)(~b0) + (~a0)(b0) + (~a1)(b1)



E LED
GLOW