Green Light 1:

C_2/C_1 \ C_0

C_2C_1 \ C_0	0	1
00	0	1
01	1	0
11	0	0
10	0	0

$\Rightarrow C_0 C_1' C_2' + C_0' C_1 C_2'$

$\Rightarrow C_2'(C_0' C_1 + C_0 C_1')$

Final: $C_2'(C_0 \oplus C_1)$

Green Light 2:

C_2C_1 \ C_0

C_2C_1 \ C_0	0	1
00	0	0
01	0	0
11	1	0
10	0	1

$\Rightarrow C_0' C_1 C_2 + C_0 C_1' C_2$

$\Rightarrow C_2(C_0' C_1 + C_0 C_1')$

Final: $C_2(C_0 \oplus C_1)$

Yellow Light 1:

C_2/C_1 \ C_0

C_2C_1 \ C_0	0	1
00	0	0
01	0	1
11	0	0
10	0	0

$\Rightarrow C_0 C_1 C_2'$

Yellow Light 2:

C_2/C_1 \ C_0

C_2C_1 \ C_0	0	1
00	0	0
01	0	0
11	0	1
10	0	0

$\Rightarrow C_0 C_1 C_2$

Red Light 1:

C_2/C_1 \ C_0

C_2C_1 \ C_0	0	1
00	1	0
01	0	0
11	1	1
10	1	1

$\Rightarrow C_2 + C_0' C_1' C_2'$

$\Rightarrow$ Final: $C_2 + C_0' C_1'$

Red Light 2:

C_2/C_1 \ C_0

C_2C_1 \ C_0	0	1
00	1	1
01	1	1
11	0	0
10	1	0

$\Rightarrow C_2' + C_0' C_1' C_2$

Final $= C_2' + C_0' C_1'$