LED CONTROL:

Specification:

This component will take in signals from the MODE SELECTOR, OFF, ON, BLINK, and DIM components. The result should be a signal to the LED driver that will drive it as the specified mode from MODE SELECTOR designates.

Inputs:

OFF Signal -> Single Wire

ON Signal -> Single Wire

BLINK Signal -> Single Wire

DIM Signal -> Single Wire
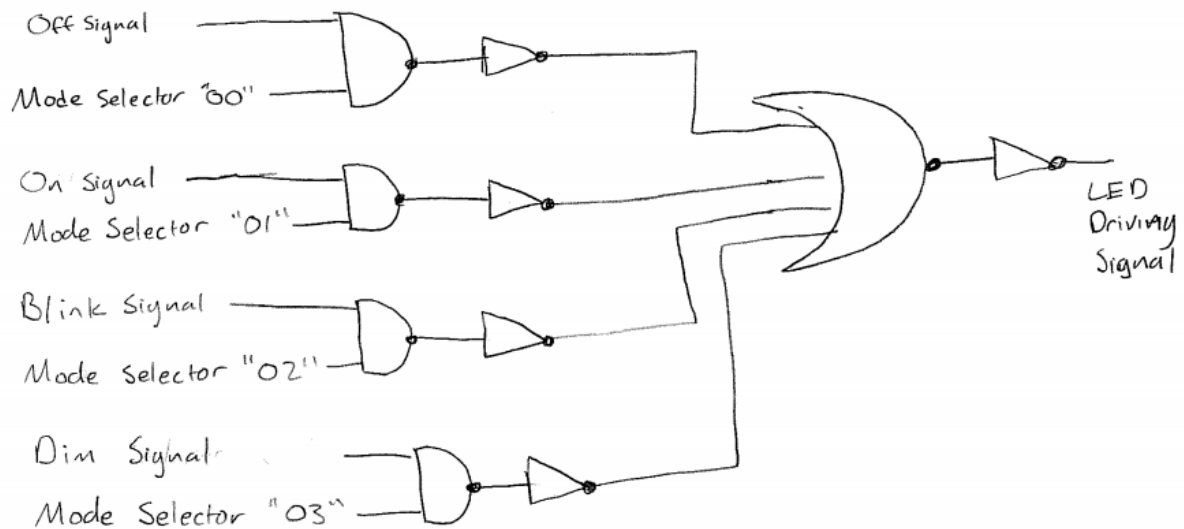
MODE SELECTOR -> 4 Wires

Outputs:

LED Driving Signal -> Single Wire

Schematic:

Performance:

Subcomponent	Cost Per	#Used	Total
2NAND	2	4	8
Inverter	1	5	5
4NOR	4	1	4

Total GIE: 17