Lab 1 Preliminary Work

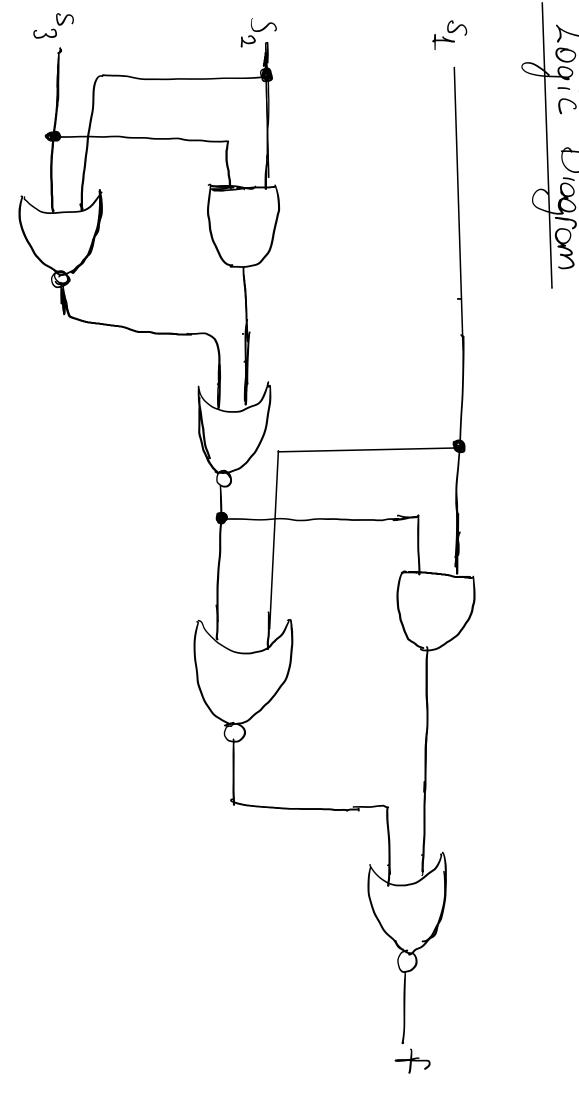
Three Way Lighting System

2) Canonical SOP

$$f = \overline{S_1} \overline{S_2} S_3 + \overline{S_1} S_2 \overline{S_3} + \overline{$$

 $f = \Pi(0, 3, 5, 6)$

 $A \oplus (B \oplus C)$



Logic Diagram

IC List:

1) One 7402 Quad 2-Input NOR Gate IC

2 One 7408 Quad 2-input AND Gate IC

Circuit Schematic

