Moore Type State Machine Diagram

(The one implemented in my code)

ON_State
GPIO_write(CONFIG_GPIO_LED_0, CONFIG_GPIO_LED_ON);

Init_State

Wait_State

O_State

F_State

OFF_State
GPIO_write(CONFIG_GPIO_LED_0, CONFIG_GPIO_LED_OFF);

input = N

input = O

input != N && input != F

input = F

input != F

input = F
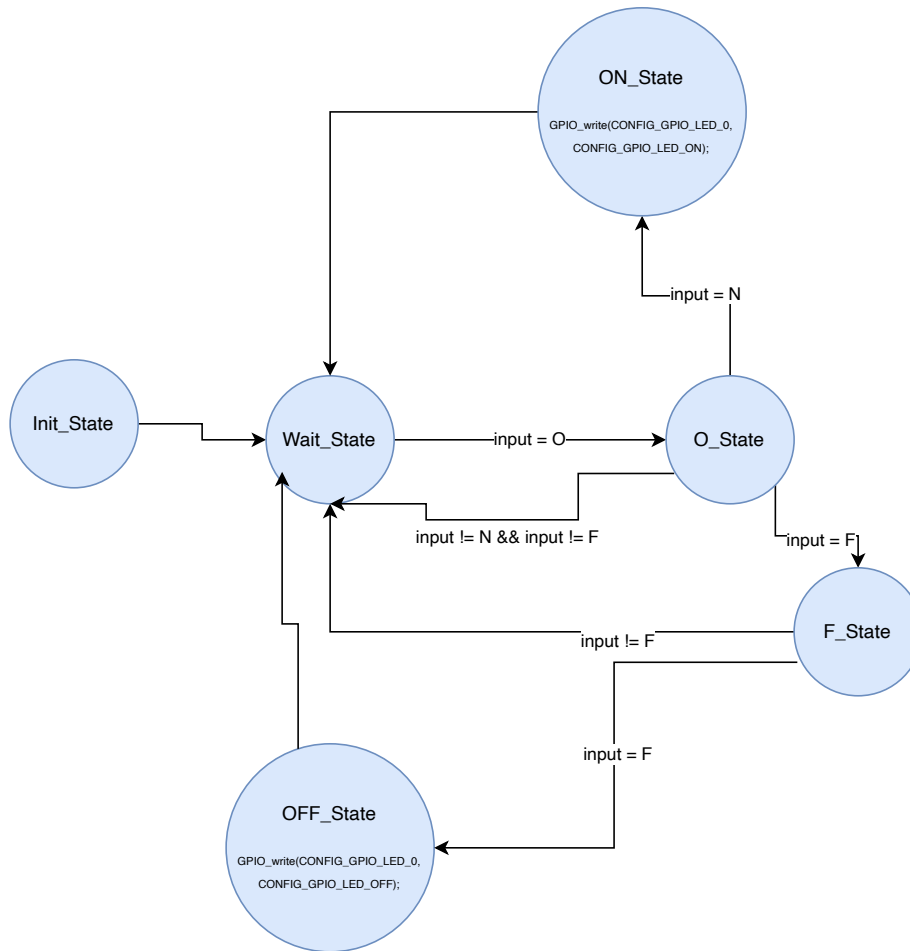
Mealy-type Stame Machine Diagram

Init_State

Wait_State

O_State

F_State

input = N
/
GPIO_write(CONFIG_GPIO_LED_0, CONFIG_GPIO_LED_ON);

input = O

input != N && input != F

input = F

input != F

input = F
/
GPIO_write(CONFIG_GPIO_LED_0, CONFIG_GPIO_LED_OFF);