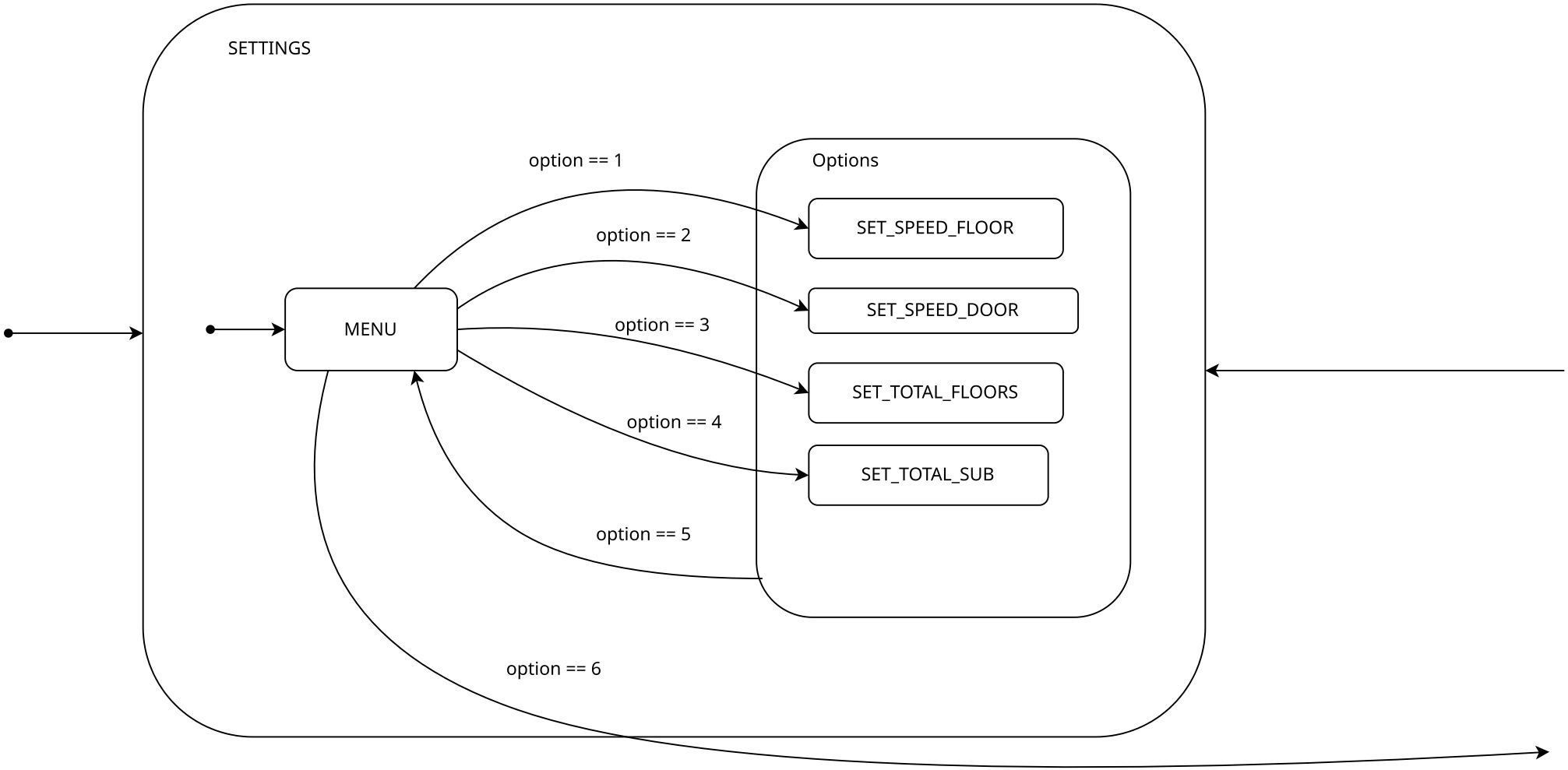
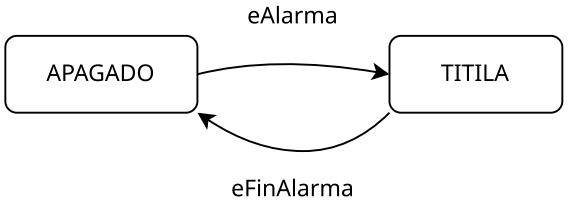
MEF Configuracion



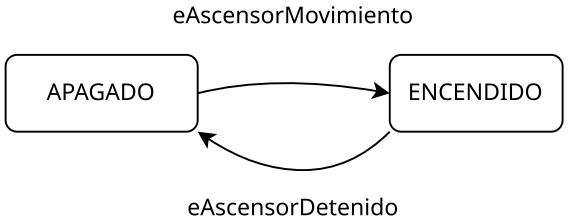
MEF Leds

LED1: ascensor en movimiento.
LED2: ascensor detenido o en planta baja.
LED3: puerta abierta.
LED VERDE: problema con puerta.
LED AZUL: puerta abriéndose.
LED AMARILLO: puerta cerrándose.

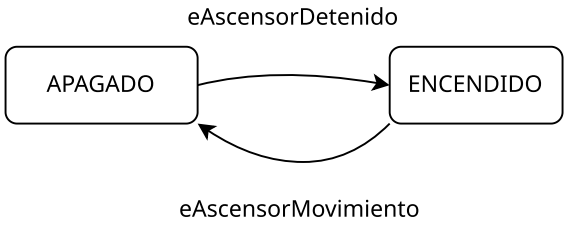
LED VERDE



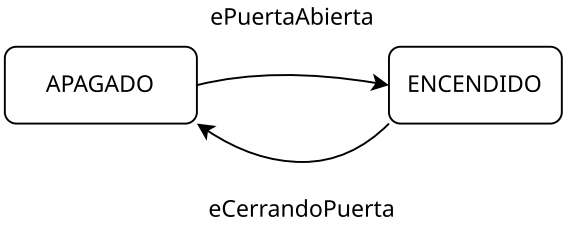
LED1



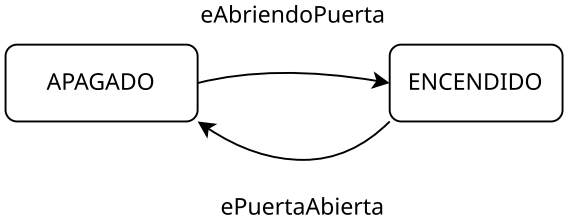
LED2



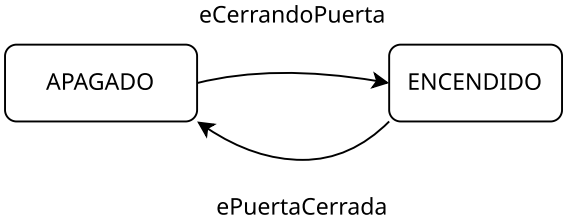
LED3



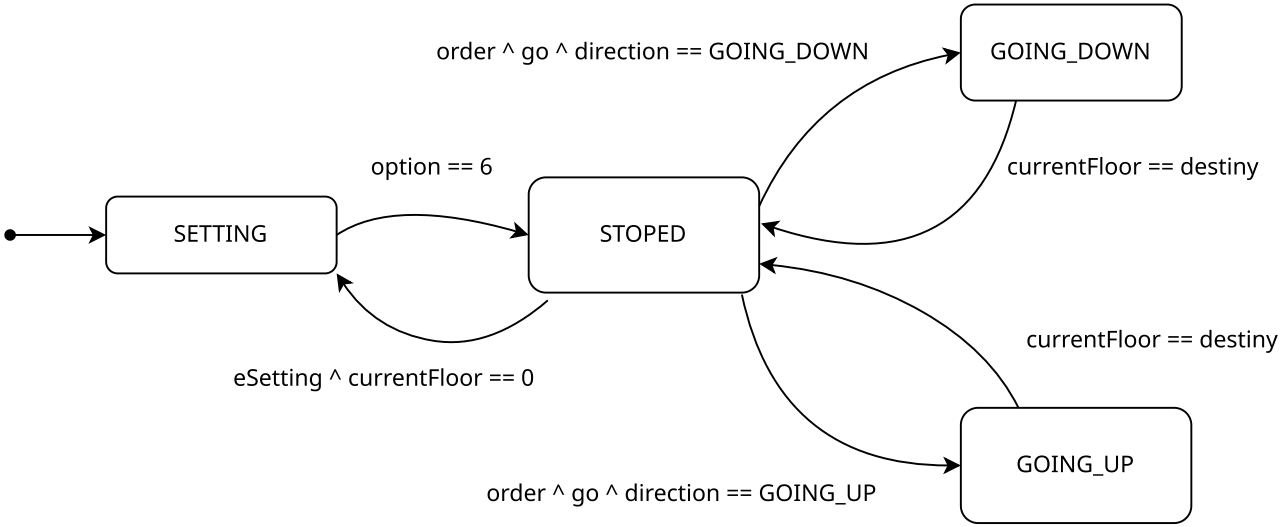
LED AZUL

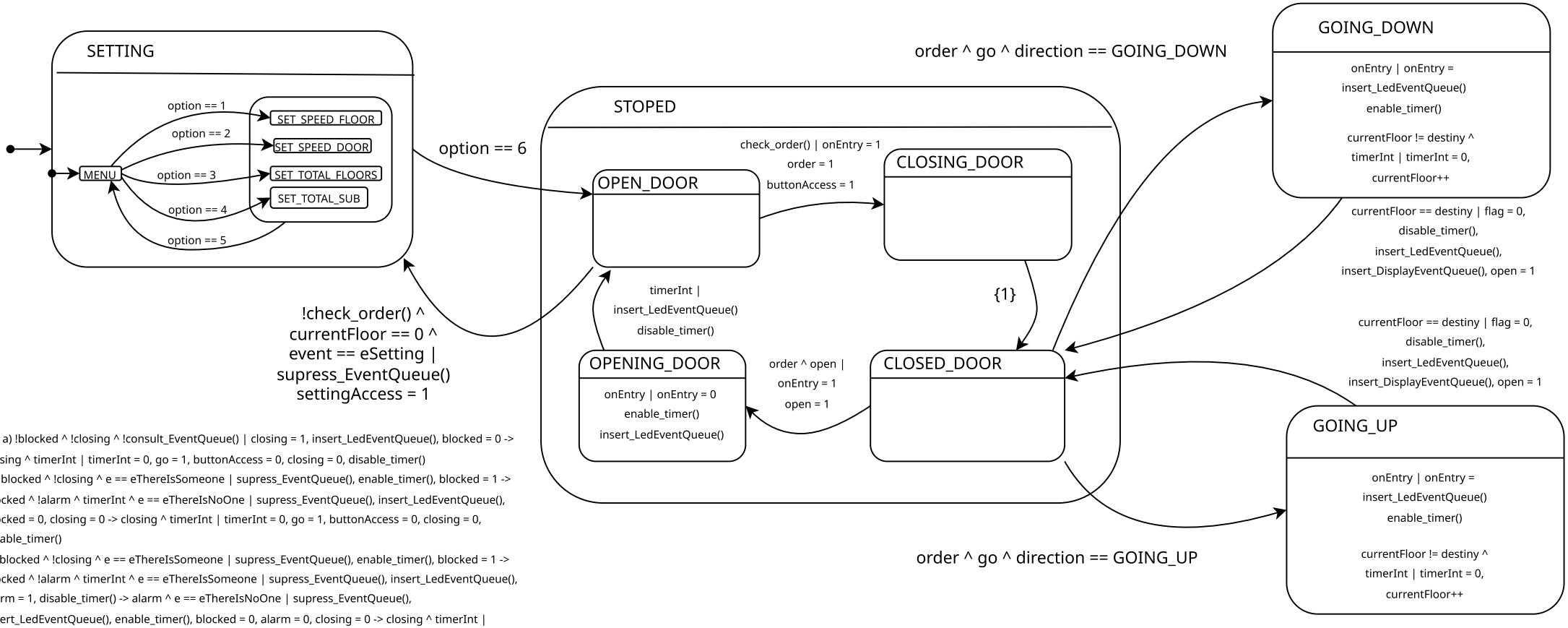


LED AMARILLO



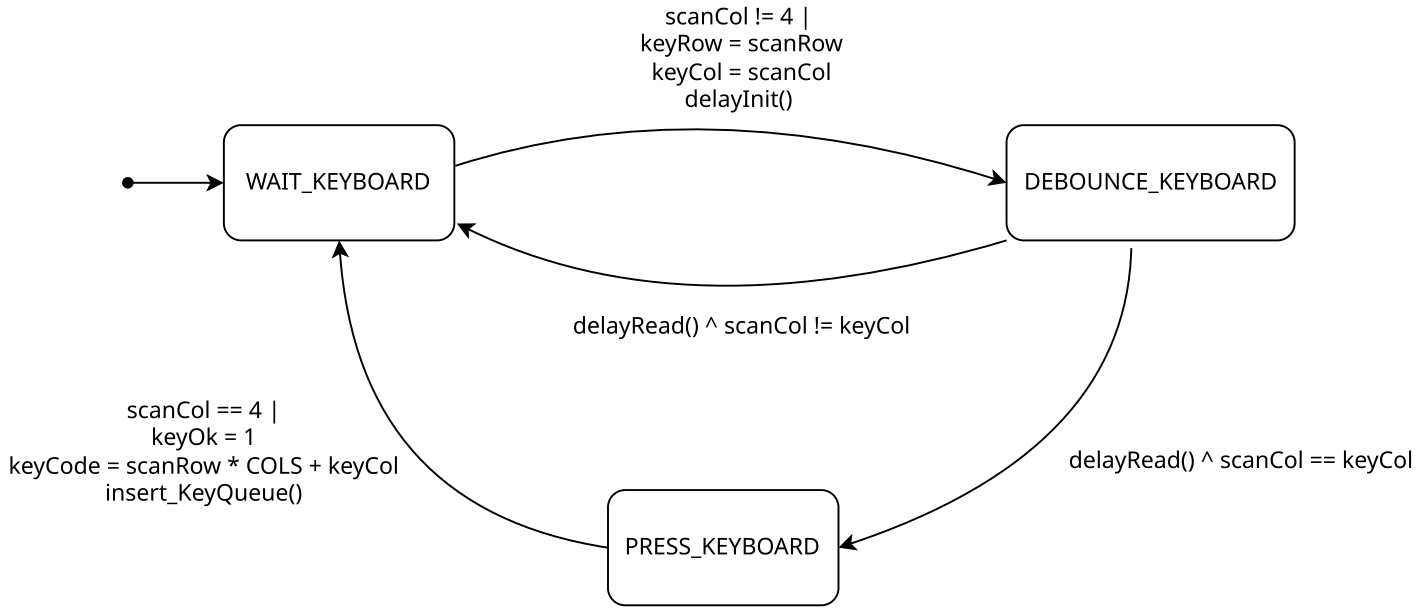
MEF Ascensor



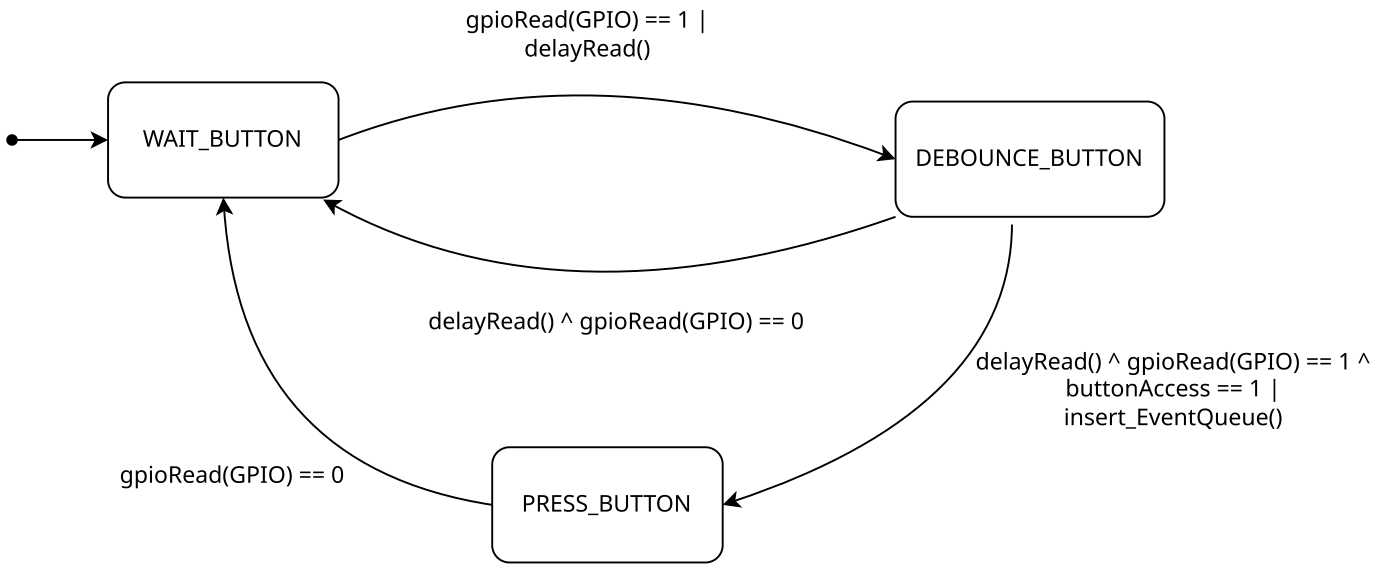


{1} a) !blocked ^ !closing ^ !consult_EventQueue() | closing = 1, insert_LedEventQueue(), blocked = 0 -> closing ^ timerInt | timerInt = 0, go = 1, buttonAccess = 0, closing = 0, disable_timer()
b) !blocked ^ !closing ^ e == eThereIsSomeone | supress_EventQueue(), enable_timer(), blocked = 1 -> blocked ^ !alarm ^ timerInt ^ e == eThereIsNoOne | supress_EventQueue(), insert_LedEventQueue(), blocked = 0, closing = 0 -> closing ^ timerInt | timerInt = 0, go = 1, buttonAccess = 0, closing = 0, disable_timer()
c) !blocked ^ !closing ^ e == eThereIsSomeone | supress_EventQueue(), enable_timer(), blocked = 1 -> blocked ^ !alarm ^ timerInt ^ e == eThereIsSomeone | supress_EventQueue(), insert_LedEventQueue(), alarm = 1, disable_timer() -> alarm ^ e == eThereIsNoOne | supress_EventQueue(), insert_LedEventQueue(), enable_timer(), blocked = 0, alarm = 0, closing = 0 -> closing ^ timerInt | timerInt = 0, go = 1, buttonAccess = 0, closing = 0, disable_timer()

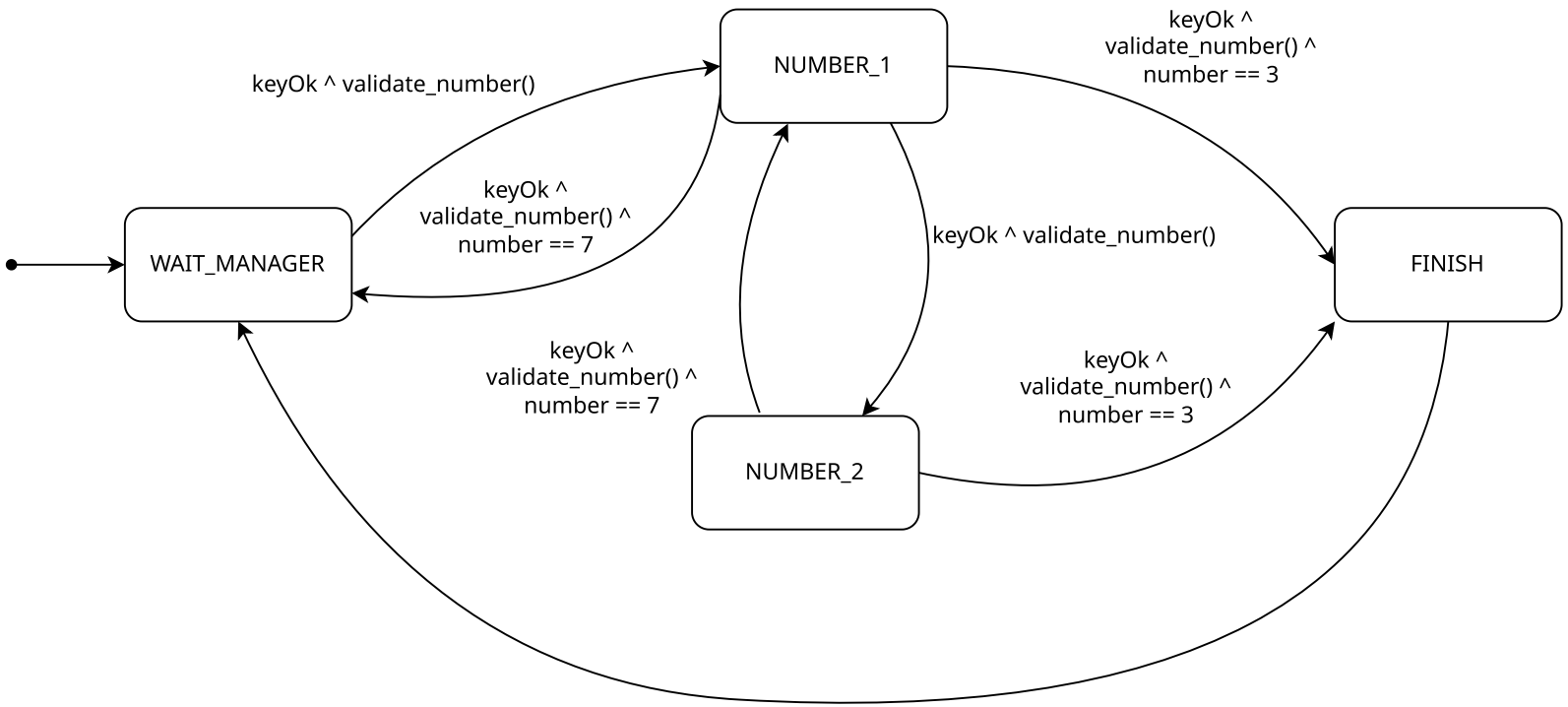
MEF Teclado



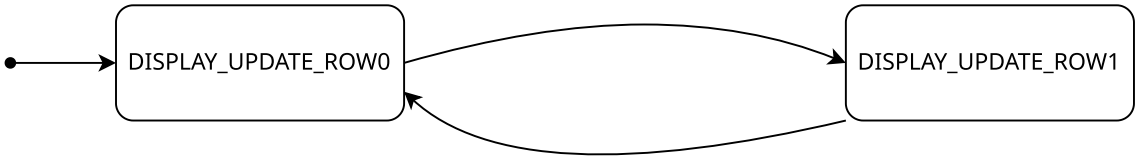
MEF Boton



MEF Administrador Teclado

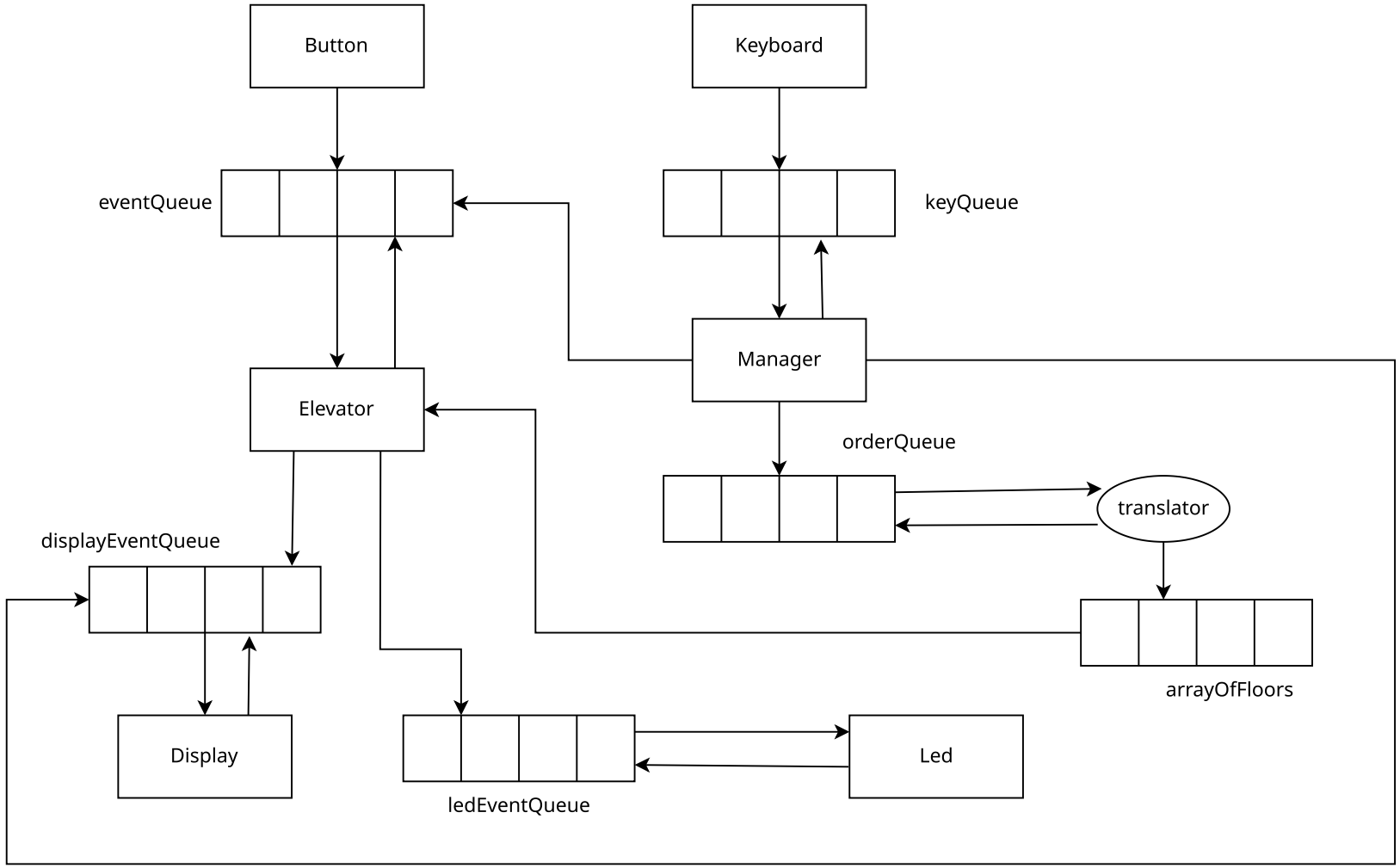


MEF Display


DISPLAY_UPDATE_ROW0
DISPLAY_UPDATE_ROW1

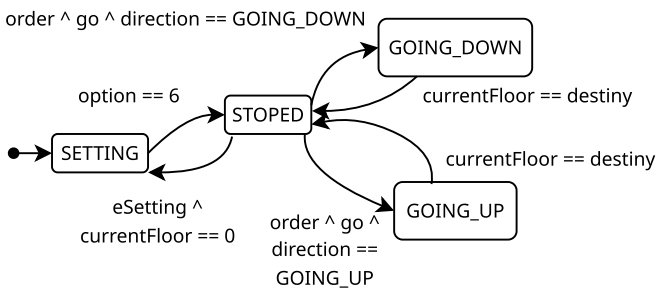
DISPLAY_UPDATE_ROW0
consult_DisplayEventQueue() ^ event == eSetting | flagSetting = 1, flagStoped = 0, flagGoingUp = 0, flagGoingDown = 0
consult_DisplayEventQueue() ^ event == eStop | flagSetting = 0, flagStoped = 1, flagGoingUp = 0, flagGoingDown = 0
consult_DisplayEventQueue() ^ event == eGoingUp | flagSetting = 0, flagStoped = 0, flagGoingUp = 1, flagGoingDown = 0
consult_DisplayEventQueue() ^ event == eGoingDown | flagSetting = 0, flagStoped = 0, flagGoingUp = 0, flagGoingDown = 1
flagSetting | " FUERA DE "
flagStoped | "Piso actual: "
flagGoingUp | "Destino: "
flagGoingDown | "Destino: "
DISPLAY_UPDATE_ROW1
flagSetting | "SERVICIO"
!flagSetting | "Destino: "

Estructura del proyecto

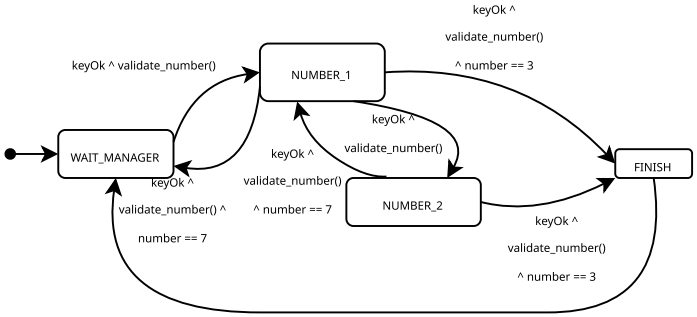


MEF Completa

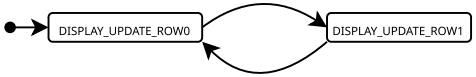
Elevator



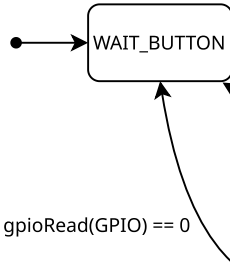
Manager

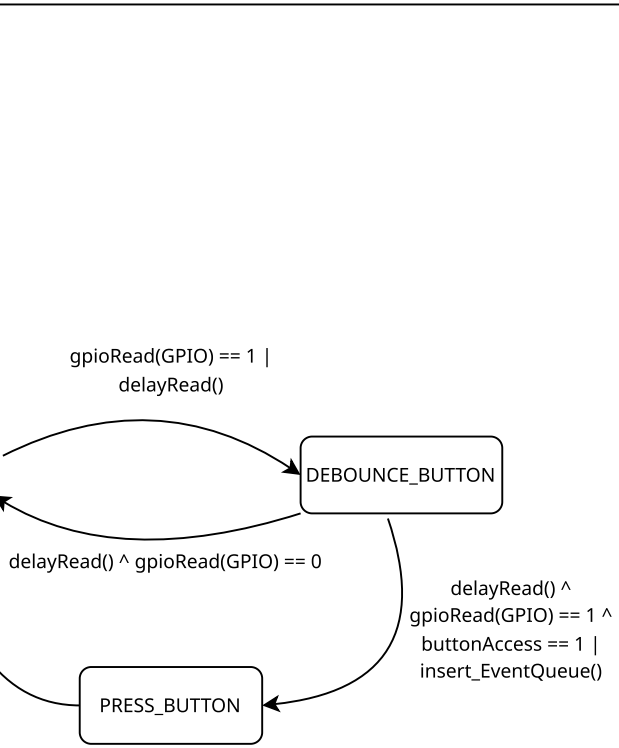


Display

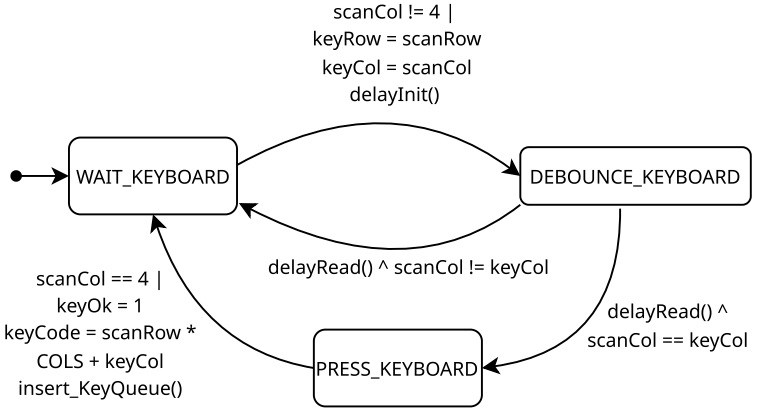
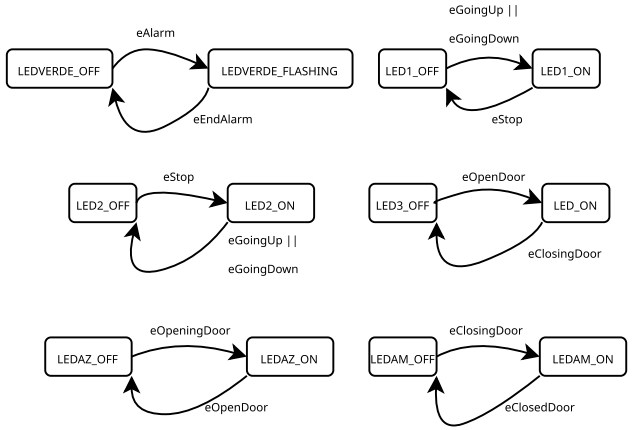


Button





Keyboard



Leds