Heisprosjekt gruppe 24 - sekvensdiagram

Control	Orders	Elev	Door

- Control → Elev: elev_set_floor_indicator(1)
- Control → Orders: orders_poll_orders()
- Orders → Elev: elev_get_button_signal(BUTTON_CALL_UP, 0)
- Elev ⇠ Orders: TRUE
- Orders → Elev: elev_set_button_lamp(BUTTON_CALL_UP, 0, 1)
- Control → Orders: orders_get_order_at_floor(0)
- Orders ⇠ Control: TRUE
- Control → Elev: elev_set_motor_direction(DIRN_DOWN)
- Control → Elev: elev_get_floor_sensor_signal()
- Elev ⇠ Control: Return 0
- Control → Control: control_should_i_stop()
- Control → Elev: elev_set_motor_direction(DIRN_STOP)
- Control → Elev: elev_set_floor_indicator(0)
- Control → Door: door_open_timer()
- Door → Elev: elev_set_door_open_lamp(1)
- Door → Door: time_elapsed < trigger
- Door → Elev: elev_set_door_open_lamp(0)
- Control → Orders: orders_clear_order_at_floor(0)
- Orders → Elev: elev_set_button_lamp(BUTTON_CALL_UP,0,0)
- Orders → Elev: elev_get_button_signal(BUTTON_COMMAND, 3)
- Elev ⇠ Orders: TRUE
- Orders → Elev: elev_set_button_lamp(BUTTON_COMMAND, 3, 1)
- Control → Orders: orders_get_order_at_floor(3)
- Orders ⇠ Control: TRUE
- Control → Elev: elev_set_motor_direction(DIRN_UP)
- Control → Elev: elev_get_floor_sensor_signal()
- Elev ⇠ Control: Return 3
- Control → Control: control_should_i_stop()
- Control → Elev: elev_set_motor_direction(DIRN_STOP)
- Control → Elev: elev_set_floor_indicator(3)
- Control → Door: door_open_timer()
- Door → Elev: elev_set_door_open_lamp(1)
- Door → Door: time_elapsed < trigger
- Door → Elev: elev_set_door_open_lamp(0)
- Control → Orders: orders_clear_order_at_floor(3)
- Orders → Elev: elev_set_button_lamp(BUTTON_COMMAND,3,0)