Top

RESET

SYNC_BUTTON
ASYNC_IN SYNC_OUT
CLK

SYNC_BUTTON
ASYNC_IN SYNC_OUT
CLK

OK_B
UP_B
SYNC_BUTTON
ASYNC_IN SYNC_OUT
CLK

DOWN_B
LEFT_B
SYNC_BUTTON
ASYNC_IN SYNC_OUT
CLK

RIGHT_B
SYNC_BUTTON
ASYNC_IN SYNC_OUT
CLK

OK_B_SIGNAL
UP_B_SIGNAL
DOWN_B_SIGNAL
LEFT_B_SIGNAL
RIGHT_B_SIGNAL

MÁQUINA_DE_ESTADOS
RESET
OK_B
UP
DOWN   DISPLAY_CODES_IN
LEFT   DISPLAYS_TO_BLINK
RIGHT
CLK

CLK

MUX_TO_BLINKER_LED_CODE (5)
MUX_TO_BLINKER_DISPLAY (8)

FSM_TO_BLINKER_DISPLAYS_TO_BLINK (8)

DISPLAY_CODE_OUT   CLK
DISPLAY_IN_USE   DISPLAY_CODES_IN

FSM_TO_MUX_DISPLAYS_CODES_IN (8)

DISPLAY_MUX

TRANSISTOR_MUX
MUX_TO_BLINKER_DISPLAY   T7

T7

BLINKER
DISPLAY_SELECTED LED_CODE_OUT
LED_CODE_IN
DISPLAYS_TO_BLINK
CLK

BLINKER_TO_DECODER (5)

DECODER7
E7   S7

S7

Máquina de Estados

START
OK_B
RESET
GET PASSWORD
OK_B
RESET
SETTING PASSWORD
OK_B
RESET
SOLVE WINDOW
OK_B
RESET
ATTEMPT

RESET
SUCCESS
OK_B

!SUCCESS_PASS

SUCCESS_PASS

FAIL
OK_B

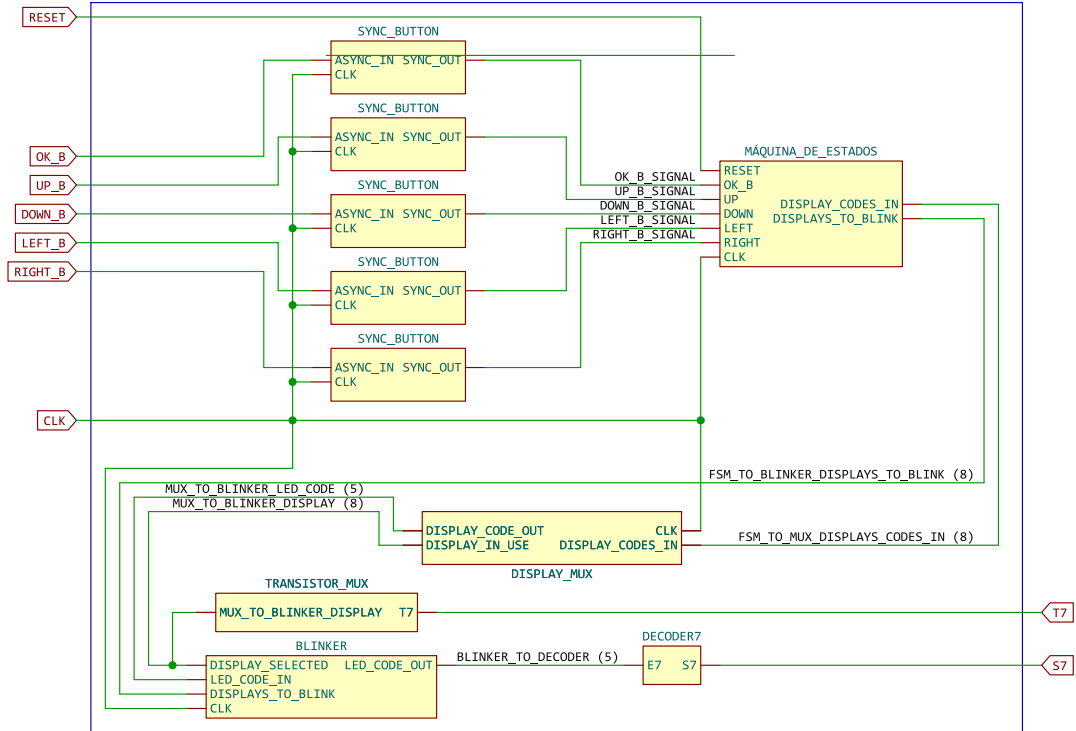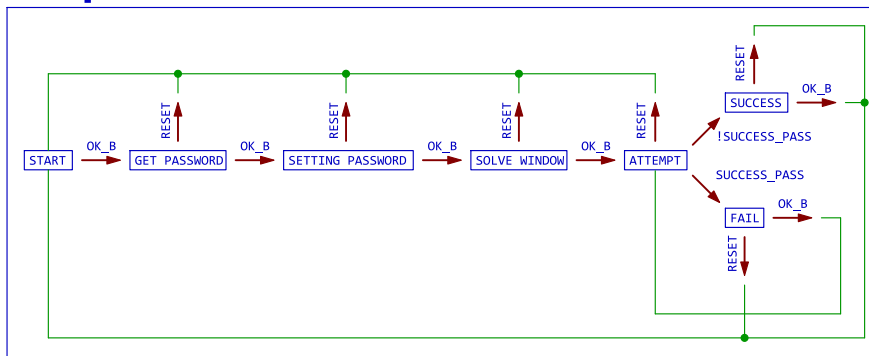RESET

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File: Trabajo_VHDL.kicad_sch

Title: Diagrama de Estados

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