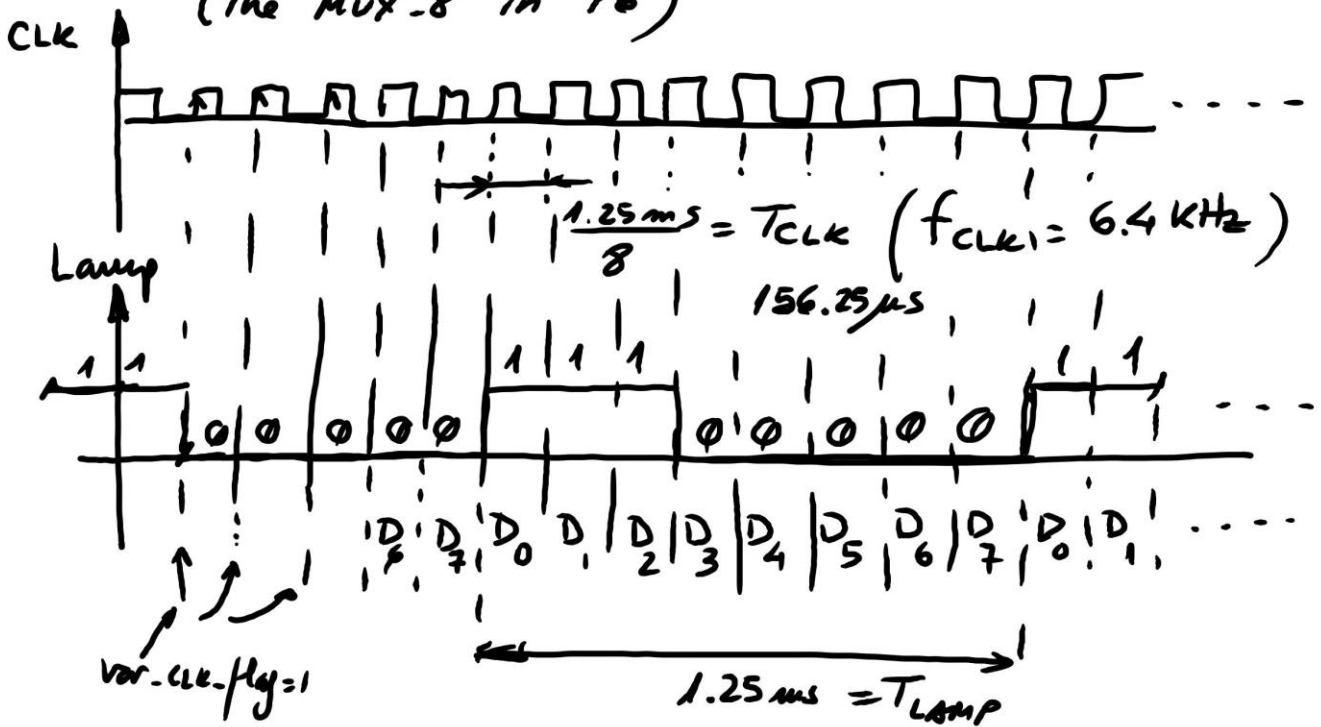


How to sequence the dimmer lamp signal?
(The MUX-8 in P6)

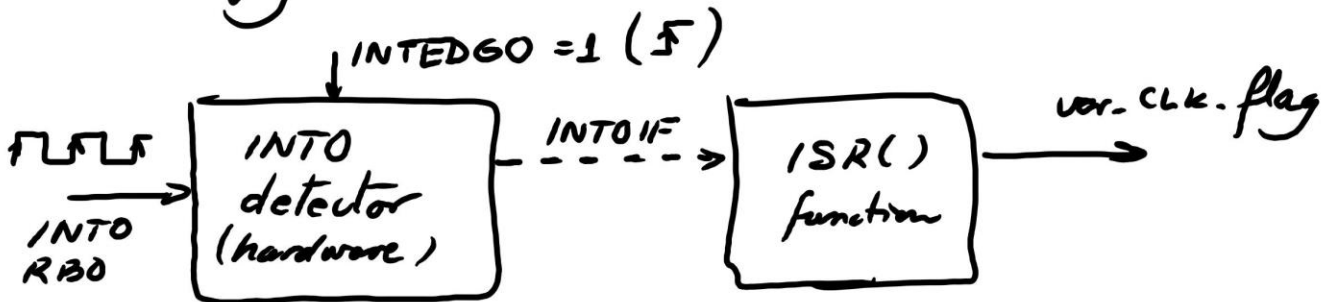
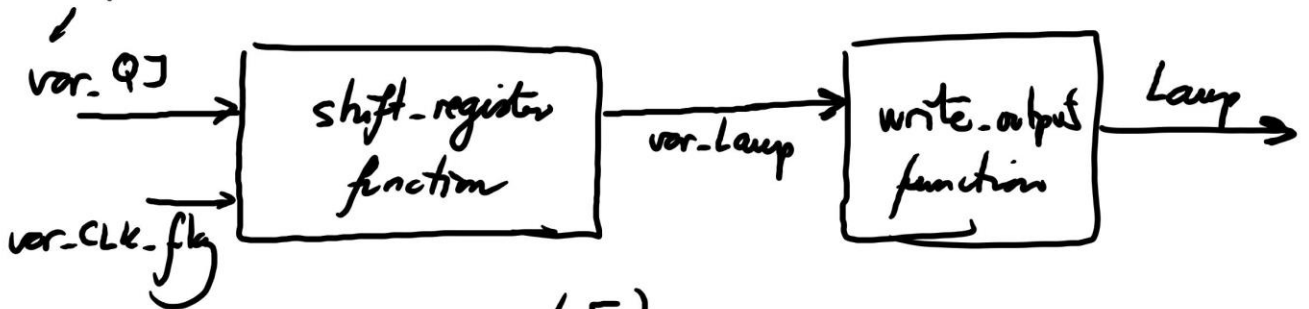


var_QJ $[D_7, D_6, D_5, D_4, D_3, D_2, D_1, D_0]$

Shift continuously var_QJ to generate var_Lamp

var_Lamp $[0, 0, 0, 0, 0, 0, 0, 1]$

example "00000111"



Shift-register

only when \bar{F} is detected the Lamp variable will be updated

NO
var.clk.flag = 1

Yes

var.clk.flag = 0

i = 0 ?

NO

Yes

Load

Shift one bit

output

(D₀) output

(D₁, D₂ ... D₇)

Shift one bit right

var_Buff = var_Buff >> 1;
var_Lamp = var_Buff & 0b00000001;

i++

i = 7 ?

Yes

i = 0

NO

end

