

CONDITIONS Logic for transitions from floor 2 (general) C_S2_ide: (~(14) && ~(1down) && ~(1f)) 11 (up[2]11 f [2] 11 down i) C-S2-i-M21: (([[0] 11 f[i] 11 up [0] 11 (up [i] 11 down[i]) de ~ c-s2 ide C-S2-i-M23: (([[3] 1] [[4] 1] (up[3] | down[2]) 11 down[3])
82 ~ C-S2-id de ~ C-S2 C_M12_S2-i: (ment floon == 2 & & temp==7) && i>=3 C_M32-S2-i: (ment floor=2 && temp=7) && i>=3 C-S2-down-M21: ~ (C-S2-down) C-S2-idoun; (f[2] || up[2] || down[1]) c_m32_s2-down: (mentfloor==2 && temp!=7) && 1 >=3 C-52-4p-M23: ~ (C-52-4p) C-S2-4h: (f[2] 11 4/[2] 11 down[1] C-M12- S2-Up: (ment/foron==2 && templ=7) && i>=3 CM12: (143) C-M21: (1 < 3) C-M23: (123) C-M32: (123) c-M12-M23: (ment floor!=2) c- M32-M21: (mentfloor!=2)

The logic for other states and courseponding transitions is mentioned in the code.

#Types of States +

1 S-i-idle

2 S-i-T

ie 80,1,23,43 - signifier we are at some floor and currently going up

3 S-i-1

ief 1,2,3}

@ M-i-i+1

ie 80,1,231

5 M-i-i-1

ie 91,2,3,47

y 25 (Le than 25 Econolyton your to record to

Colombia Casali or hand of the section

The state of the engineers of the engineers

Slice LUTÉ wed = 220

Registers as FF (Slice Registers) wed = 58.