

HW3 #1 State Machine MAX Bucks

inputs: clk , rst_n , tmr_full , sum_gt_min , sum_lt_min ,
 $diff_gt_1-4$, $diff_gt_15-16$

outputs: clr_tmr , en_steer , $rider_off$

legend \rightarrow State
Output

1. $sum_of_rider_weight > min$ (initial state)
2. enter stabilize state where local $diff < 1/4$ for 1,3,5
3. enter steer-en state, exit if $sum_lt_min = 1$ or
 $diff_gt_15-16 = 1$

