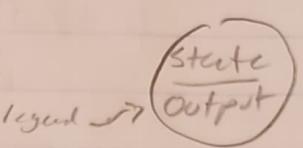


# HW3 #1 State Machine MAX BUCHS

inputs: clk, rst-n, tmr-full, sum-gt-min, sum-lt-min,  
 $d'ff\_gt\_1\_4$ ,  $d'ff\_gt\_15\_16$

outputs: Clr-tmr, en-steer, rider-off



1. sum of rider weight > min (initial state)

2. enter stabilize state where load  $d'ff < \frac{1}{4}$  for 1,3,5

3. enter steer-en state, exit if  $sum\_lt\_min = 1$  or  
 $d'ff\_gt\_15\_16 = 1$

