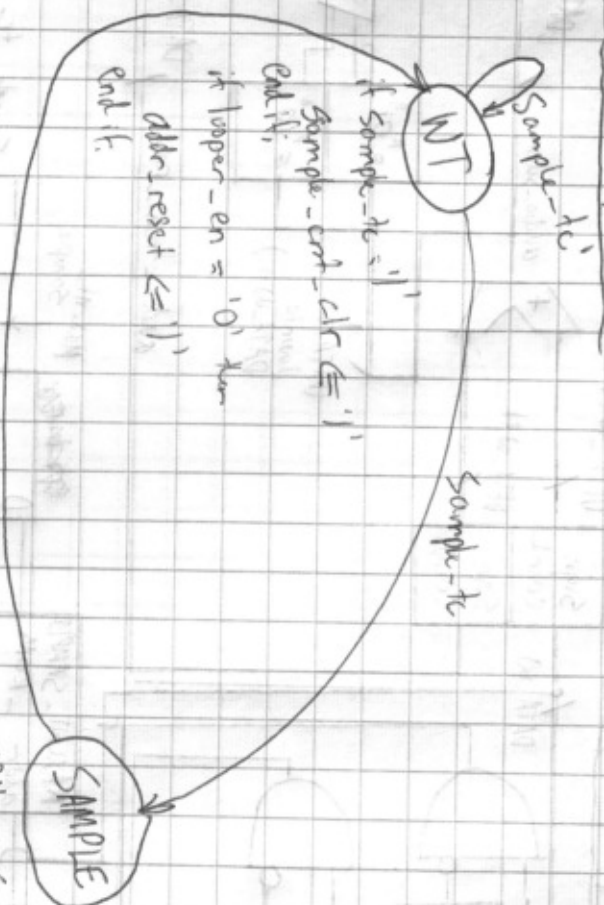


## 7.2.1.2: Looper FSM



Signals outside the FSM:

- Out\_combine  $\leq 1$  when looper-en = 1 or recording else 0
- rec-led  $\leq 1$  when recording or adding else 0

\* add-next-n rec-next-n

adding-n and recording-n update the values of their corresponding flip-flops (when rc = 1). On each clock rise, however, the rec-over and add-back buttons override this setting rec-next and add-next to 1, respectively.

out\_wrt = 1  
if looper-en = 1  
addr, stop = 1  
if (recording + adding) = 1  
wr\_en = 1  
end if  
end if

if addr-rc = 1 then  
recording-n  $\leq 1$   
adding-n  $\leq 0$   
if rec-next = 1 then  
recording-n  $\leq 1$   
rec-next-n  $\leq 0$   
else if add-next = 1 then  
adding-n  $\leq 1$   
add-next-n  $\leq 0$   
end if  
end if