

Midterm Solutions

1) Green \rightarrow Yellow \rightarrow Red

\rightarrow Memory intensive

Wrong way: $(NS == \text{Green}) \Rightarrow \#\# [1:\$] (NS == \text{yellow})$

\Rightarrow Never Fail

Right way: $(NS == \text{Green}) \Rightarrow (NS == \text{Green}) \parallel (NS == \text{Red})$
OR
 $(NS != \text{Red})$

$!(NS == \text{Green} \&\& NS == \text{Yellow})$

2) start_event \rightarrow (num_cks) test_expr

start_event \Rightarrow \$stable(test_expr) [* num_cks]

3) clk1

clk2

push

pop

din

dout

clocking cb1 @(posedge clk1)

output push

output din

clocking cb2 @(posedge clk2)

output pop

input dout