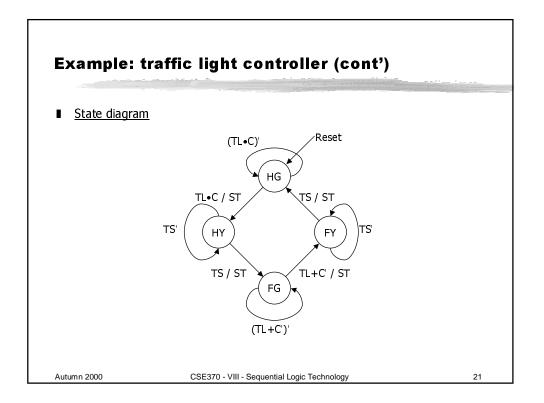


	ple: traffic light c	ontro	ller (cont')	
	place FSM in initial state detect vehicle on the farm road		<u>description</u> assert green/yellow/red highway lights assert green/yellow/red highway lights start timing a short or long interval	
I <u>Tabu</u> state HG HY	lation of unique states — som description highway green (farm road red) highway yellow (farm road red)	<u>ne light co</u>	onfigurations imply others	
FG FY	farm road green (highway red) farm road yellow (highway red)			



Example	e: traffic lig	ht controlle	er (cont	')		
∎ <u>Generate</u>	e state table with sy	<u>mbolic states</u>	output enc	odina – sir	nilar problem	
∎ <u>Consider</u>	state assignments	to state as	to state assignment (Green = 00, Yellow = 01, Red = 10)			
Inputs C TL TS	Present State	Next State	Outp	uts H	F	
0	HG	HG	0	Green	Red	
- 0 -	HG	HG	0	Green	Red	
1 1 -	HG	HY	1	Green	Red	
0	HY	HY	0	Yellow	Red	
1	HY	FG	1	Yellow	Red	
10-	FG	FG	0	Red	Green	
0 – –	FG	FY	1	Red	Green	
- 1 -	FG	FY	1	Red	Green	
0	FY	FY	0	Red	Yellow	
1	FY	HG	1	Red	Yellow	
SA1: H	IG = 00 HY = 01	L FG = 11	FY = 10			
	G = 00 HY = 10		FY = 11			
SA3: H	IG = 0001 $HY = 00$	010 FG = 0100	FY = 1000	(on e-h ot)		

