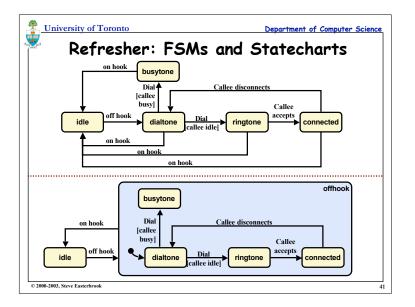


Defining Mode Classes								
♦ A complete > Each	(disjoint) set (x system will h	nave many dif a mode table sh	ferent modes nowing the event	classes is that cause	transitions betwee	n modes		
Currer Mode	t Powered on	Too Cold	Temp OK	Too Hot	New Mode			
Off	@T	-	t	-	Inactive			
	@T @T	t -	-	- t	Heat AC			
Inactive	@T	t - @T -		-				
	@T	-	- - - - @T	- t - @T -	AC Off Heat			

int 🛌	c· ·		• • • •	-
D	efining Co	ntrolled	Variables	
→ Event Tab	ales			
L · · · · · ·		ichle chances in m	esponse to input ev	onto
			nts to variable val	
🗞 Example:	Modes			T
	Heat, AC	@C(target)	never	1
	Inactive, Off	never		-
	Ack tone =	Beep	@C(target) Clang	-
	ACK_IONE -	Deep	Clarig	ļ
 Condition 	Tables			
🗞 defines th	ne value of a contr	olled variable unde	er every possible co	ondition
	total function from	n modes and condi	tions to variable v	alues
	Modes			
🗞 Example:	wouldes			
✤ Example:	11	town to town of F		
✤ Example:	Heat	target - temp ≤ 5	target - temp >5	
🗞 Example:	Heat AC	target - temp ≤ 5 temp - target ≤ 5	target - temp >5 temp - target >5	
✤ Example:				



	SCR Equivalent				
Current Mode	offhook	dial	callee offhook	New Mode	
Idle	@T	-	-	Dialtone	
Dialtone	-	@T	F	Ringtone	
	-	@T	Т	Busytone	
	@F	-	-	Idle	
Busytone	@F	-	-	Idle	
Ringtone	-	-	@T	Connected	
	@F	-	-	Idle	
Connected	-	-	@F	Dialtone	
AC	@F	-	-	Idle	
terpretation In Dialtone: In Ringtone: Etc		/HEN callee_of	fhook takes yo takes y	ou to Ringing ou to Idle	

