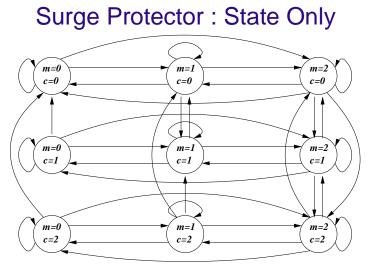
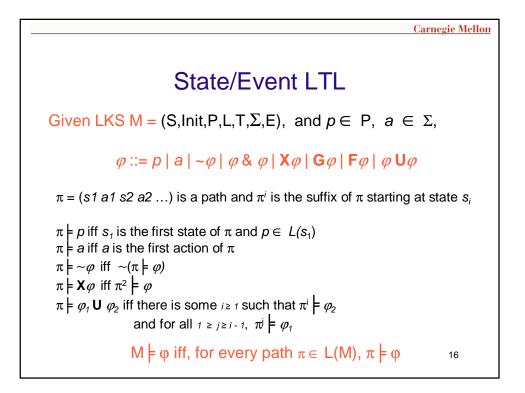
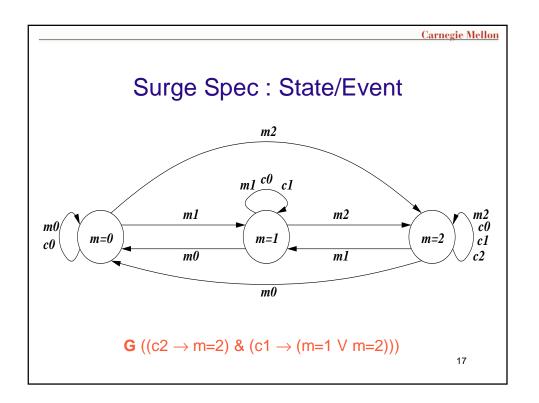


15



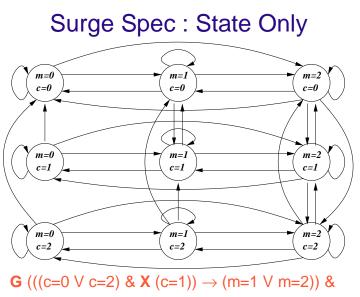
Kripke structure of the Surge Protector (example is given for m: [0..2], c: [0..2])



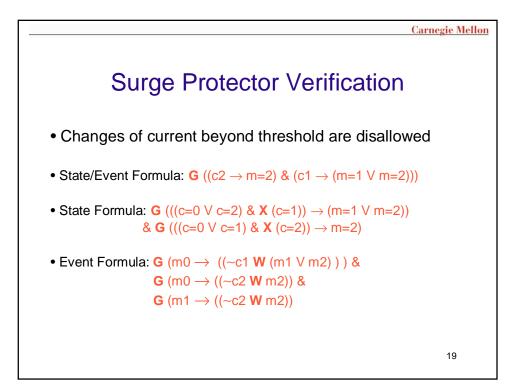


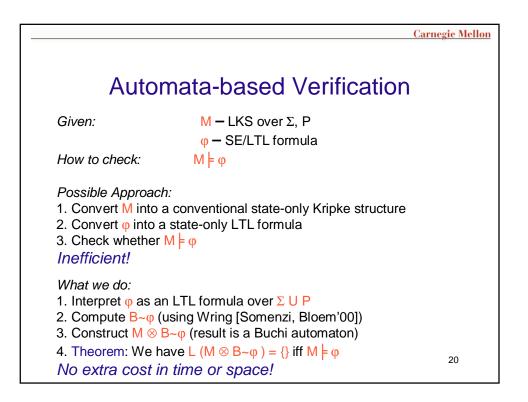
Carnegie Mellon

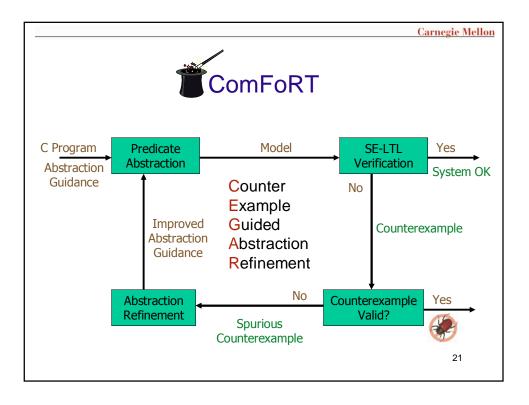
18



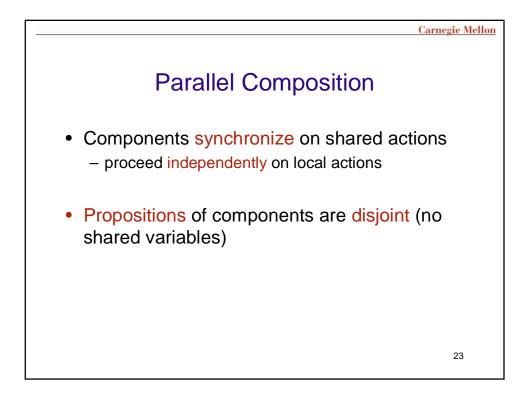
G (((c=0 V c=1) & **X** (c=2)) \rightarrow m=2)

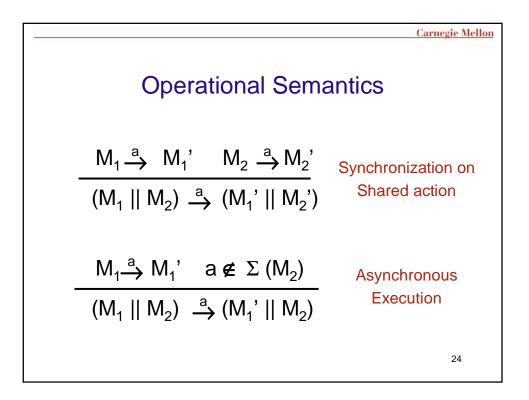


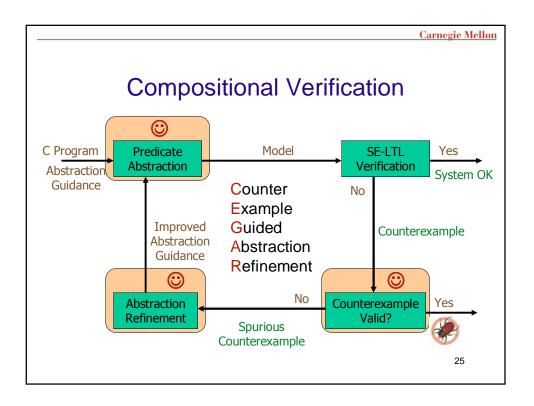


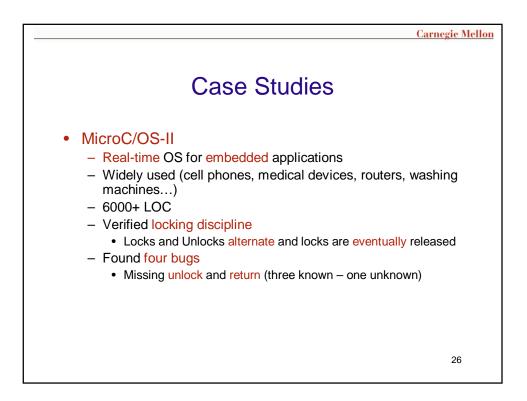


			Ve	rific	ati	ion	Re	sult	S				
Current	State Formula					Event Formula				State/Event Formula			
range .	Aut. Size		Time		Aut. Size		Time		Aut. Size		Time		
	St	Tr	BC	МС	St	Tr	BC	MC	St	Tr	BC	мо	
2	4	5	0.25	0.383	6	10	0.245	0.32	3	4	0.184	0.25	
4	14	23	0.49	1.141	20	41	1.597	1.77	5	8	0.243	0.39	
6	32	57	2.43	4.818	42	92	12.08	12.66	7	12	0.614	0.96	
8	58	107	17.5	24.60	72	163	372.8	374.17	9	16	2.622	3.13	
10	92	173	196	214.0	x	x	x	x	11	20	33.56	34.	
12	x	X	x	x	x	x	x	x	13	24	534.9	536	
13	х	x	x	x	x	x	x	x	x	x	x	x	

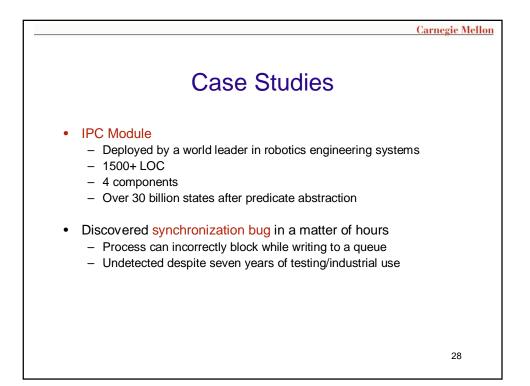


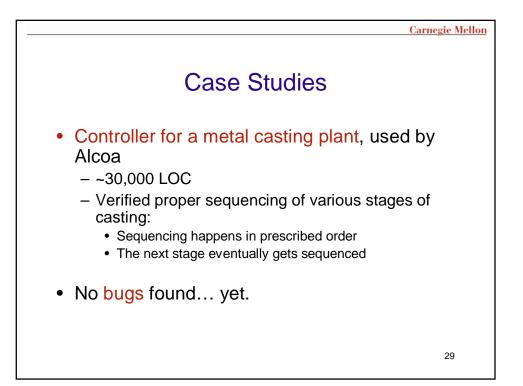


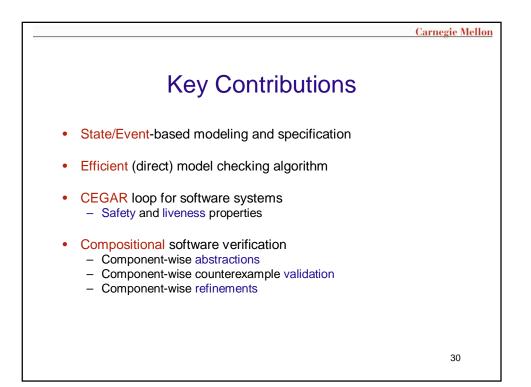


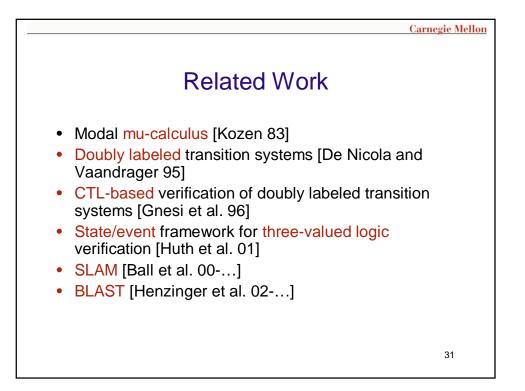


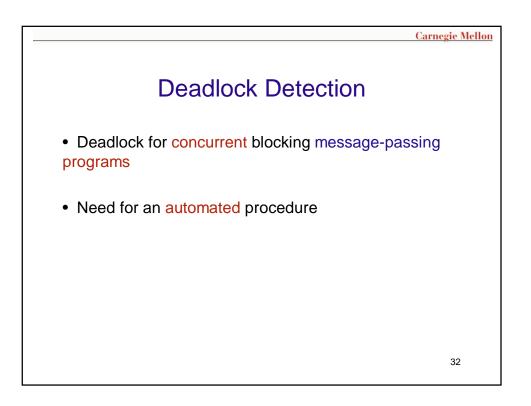
							Саг	rnegie Me				
Results												
Name	ame St-B Tr-B St-MdI T-BA T-MdI T-Ver T-Tot Mem											
SS	25	47	7951	0.690	48.8	6.84	56.9	39.3				
SE	20	45	4331	0.497	18.8	2.92	22.8	24.2				
SS	25	47	7574	0.699	43.6	1.65	46.4	38.1				
SE	18	40	3691	0.407	15.3	1.089	17.3	21.2				
SS	25	47	24.8 M	0.874	65.6	Х	Х	851				
SE	20	45	13.6M	0.655	33.1	2.17	2207	162				
SS	25	47	32.6M	0.836	66.0	Х	Х	347				
SE	18	40	15.9M	0.713	34.6	4149	4185	321				
BUG	8	14	873	0.205	3.41	0.261	3.88	Х				
								27				

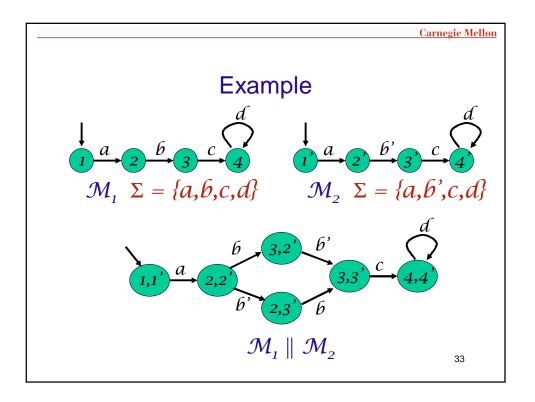


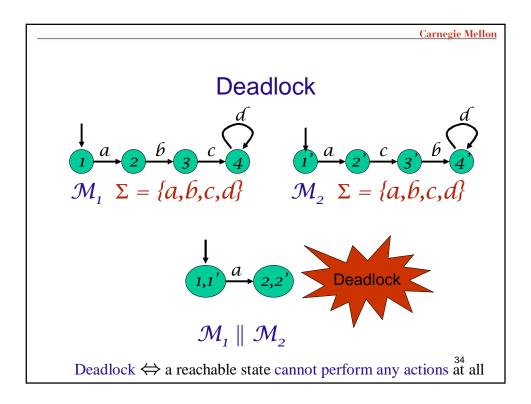


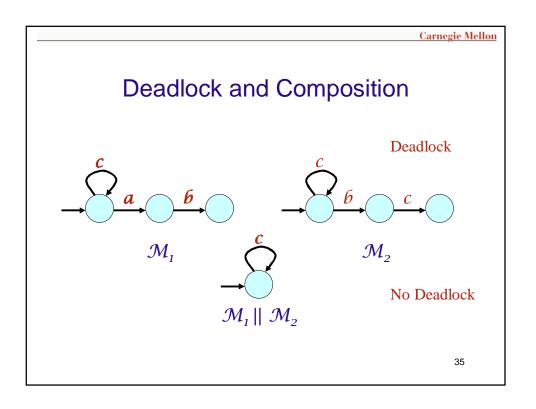


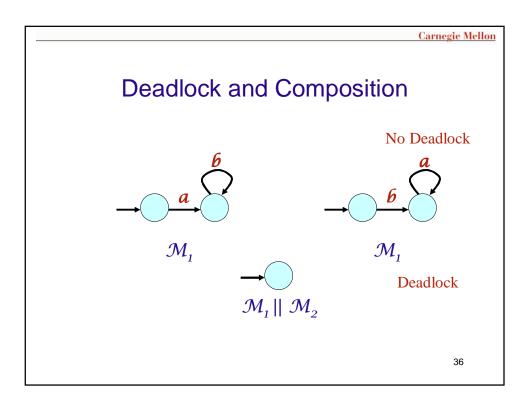


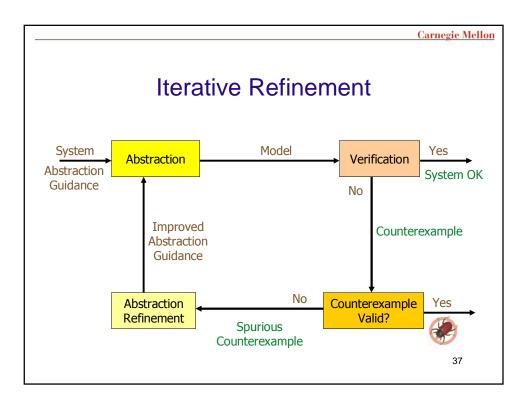


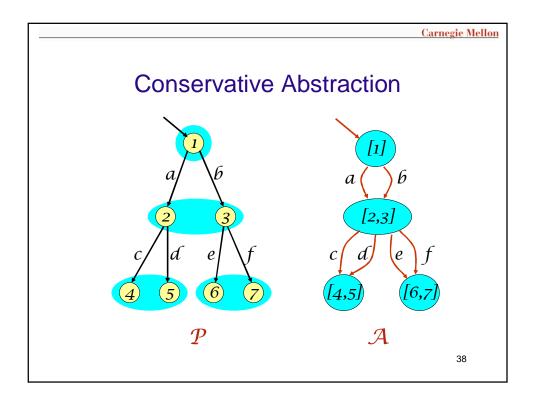


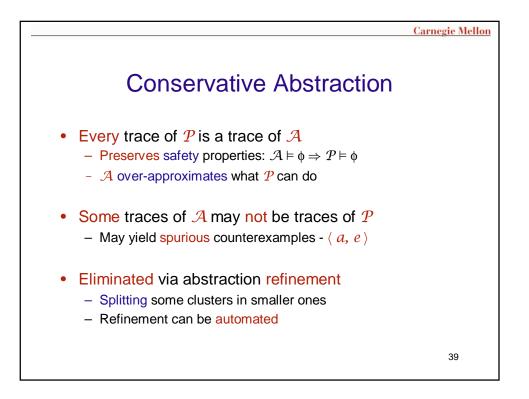


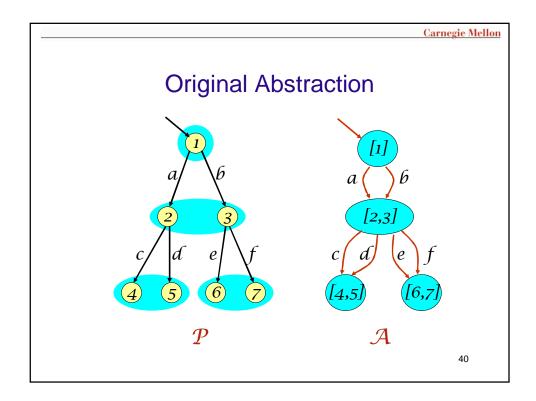


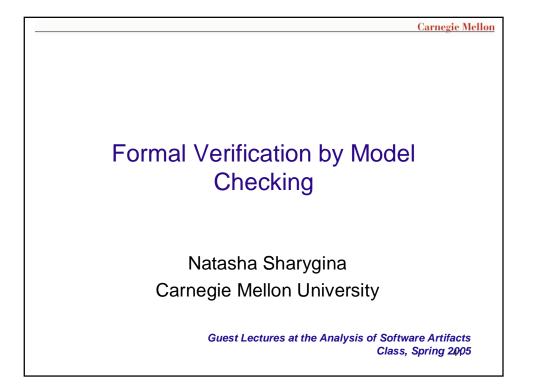


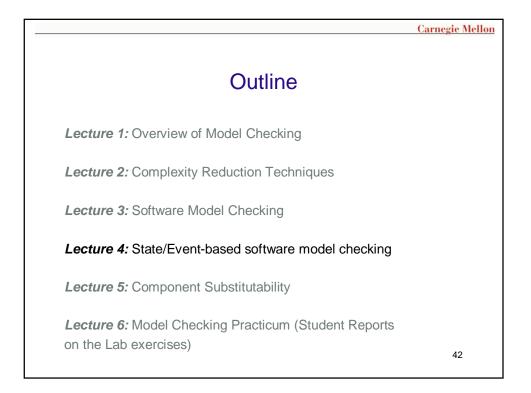


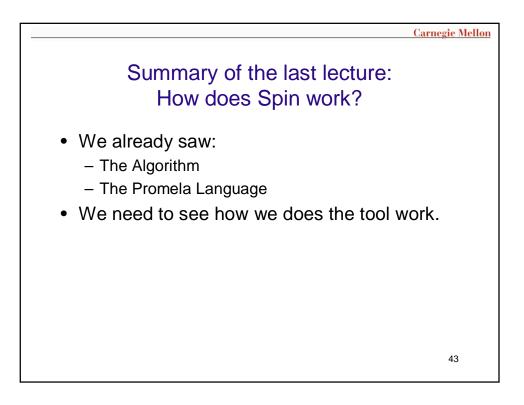


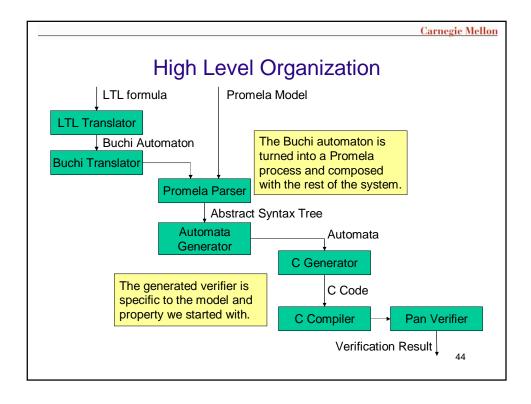


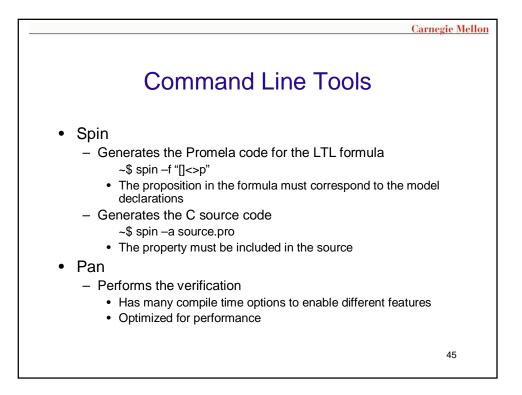


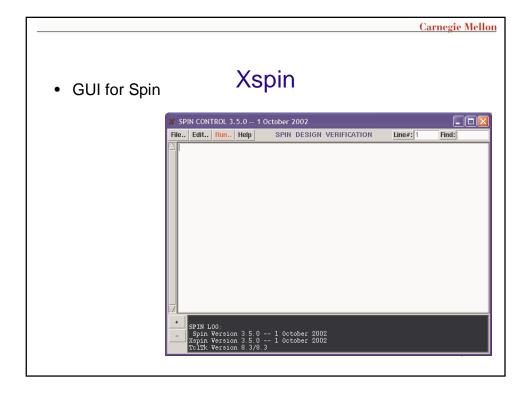


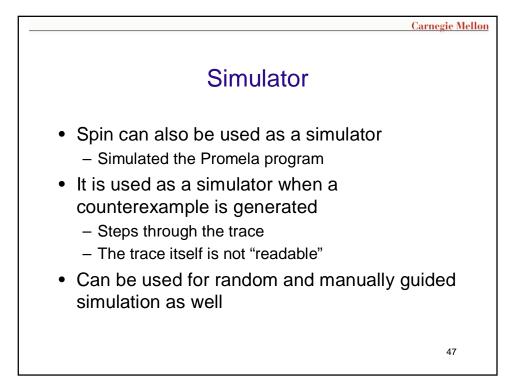


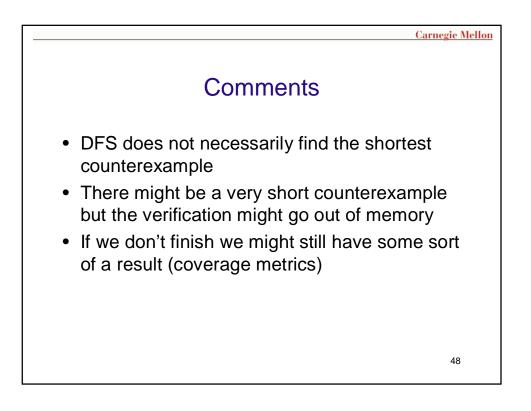


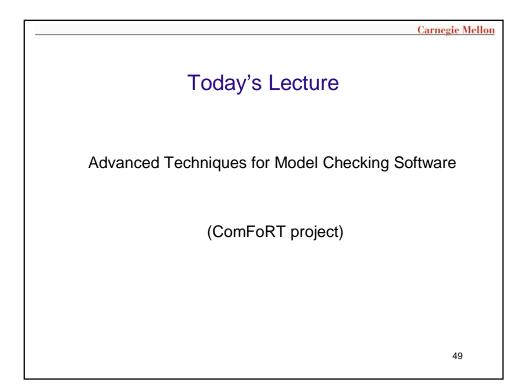


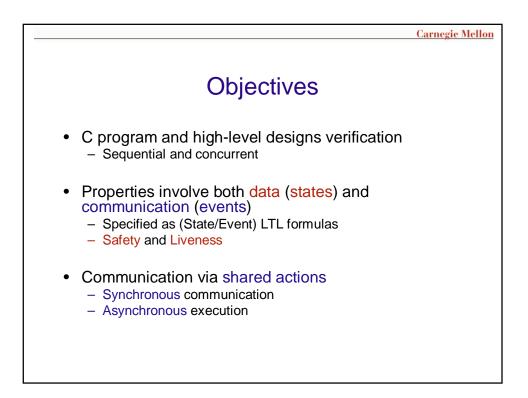


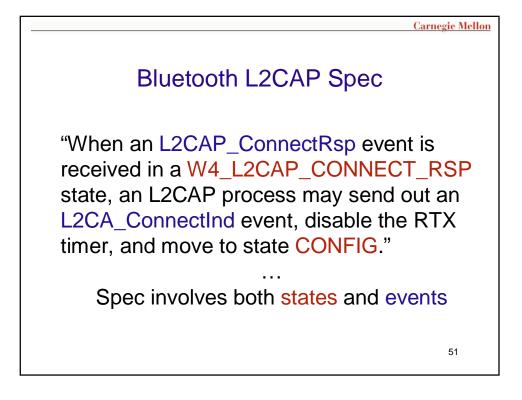


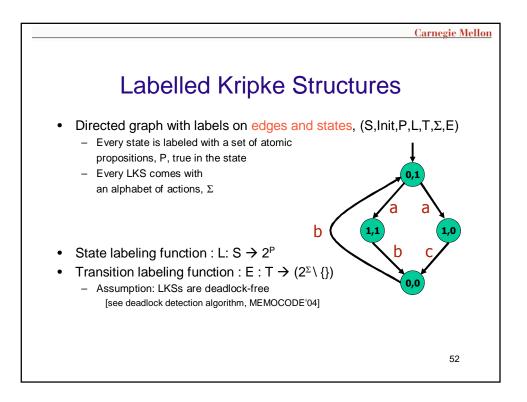


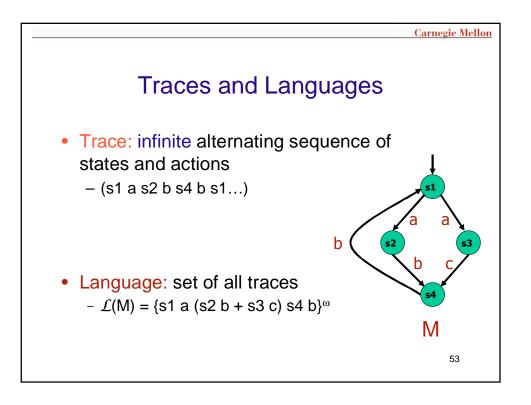


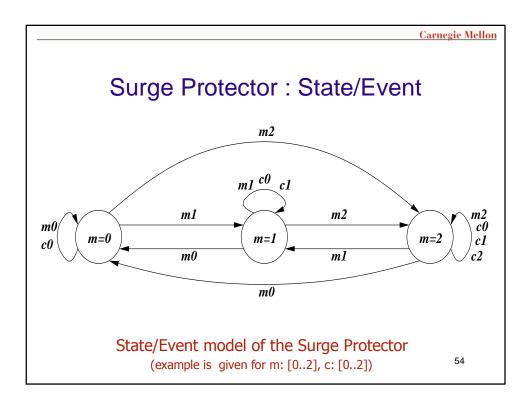


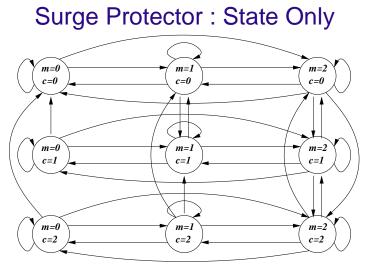






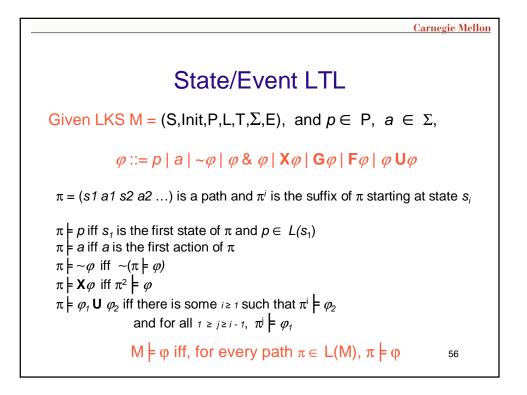


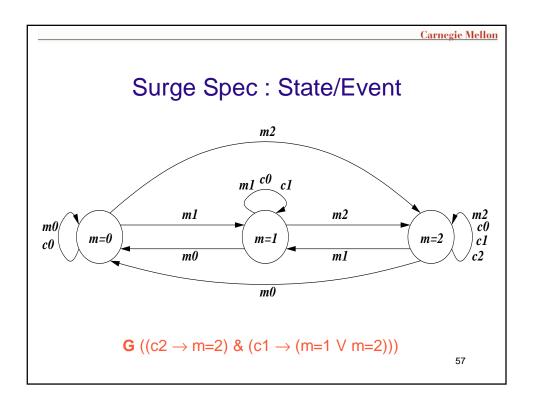




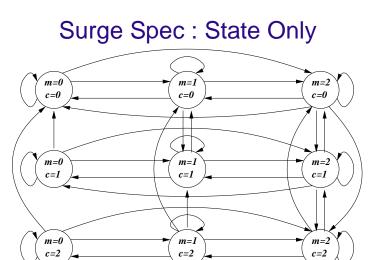
Kripke structure of the Surge Protector (example is given for m: [0..2], c: [0..2])





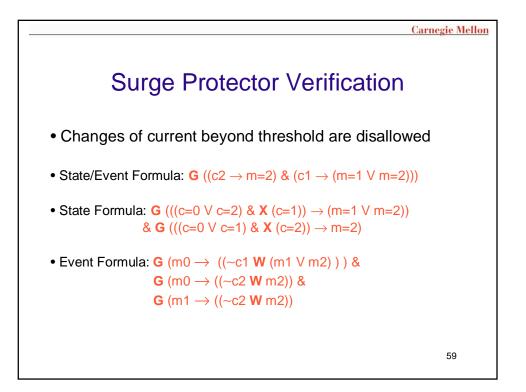


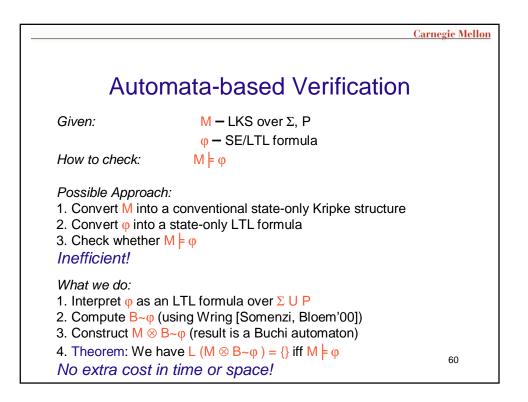
Carnegie Mellon

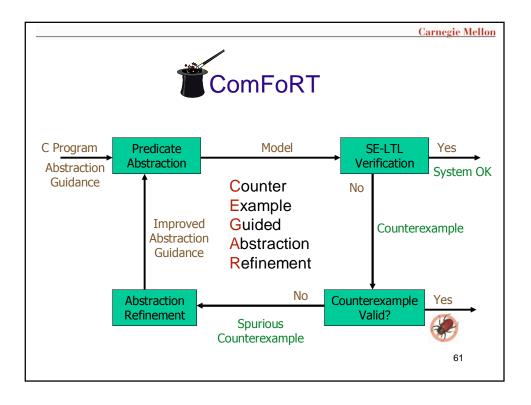


G (((c=0 ∨ c=2) & **X** (c=1)) → (m=1 ∨ m=2)) & **G** (((c=0 ∨ c=1) & **X** (c=2)) → m=2)

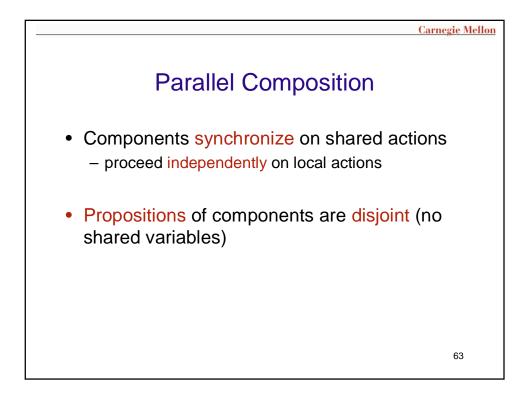
58

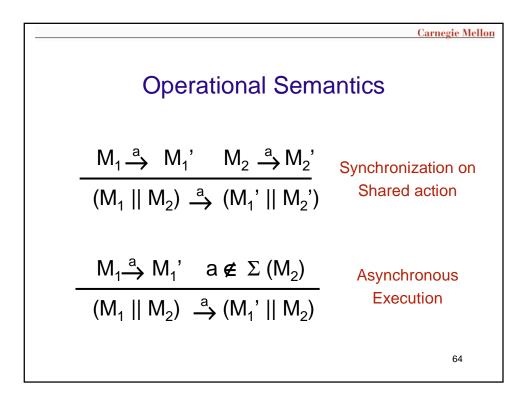


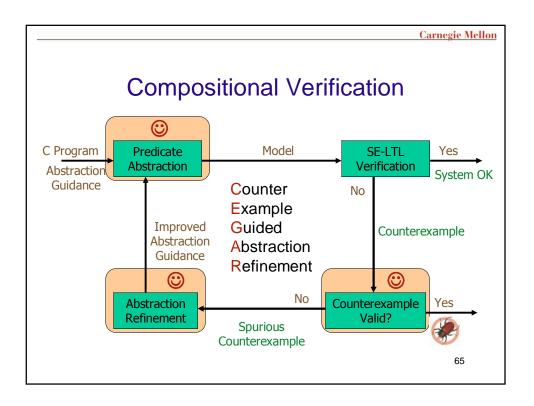


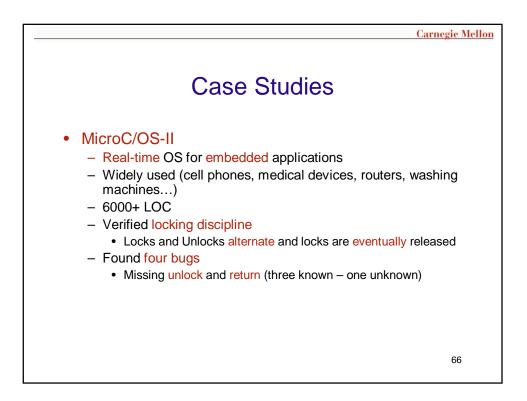


			Ve	rific	ati	ion	Re	sult	S				
Current	State Formula					Event Formula				State/Event Formula			
range .	Aut. Size		Time		Aut. Size		Time		Aut. Size		Time		
	St	Tr	BC	МС	St	Tr	BC	MC	St	Tr	BC	мс	
2	4	5	0.25	0.383	6	10	0.245	0.32	3	4	0.184	0.25	
4	14	23	0.49	1.141	20	41	1.597	1.77	5	8	0.243	0.39	
6	32	57	2.43	4.818	42	92	12.08	12.66	7	12	0.614	0.96	
8	58	107	17.5	24.60	72	163	372.8	374.17	9	16	2.622	3.13	
10	92	173	196	214.0	x	x	x	x	11	20	33.56	34.	
12	x	x	x	x	x	x	x	x	13	24	534.9	536	
13	х	X	x	x	x	х	x	x	х	x	x	x	

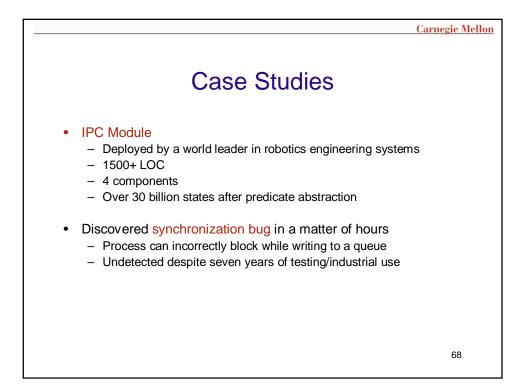


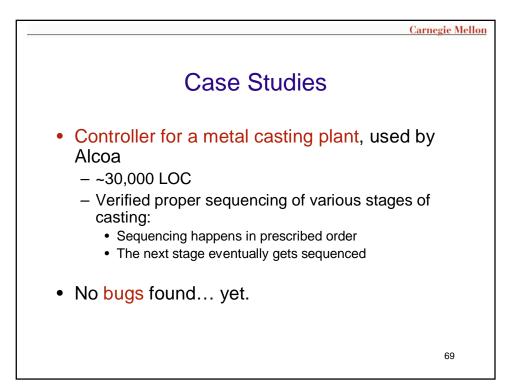


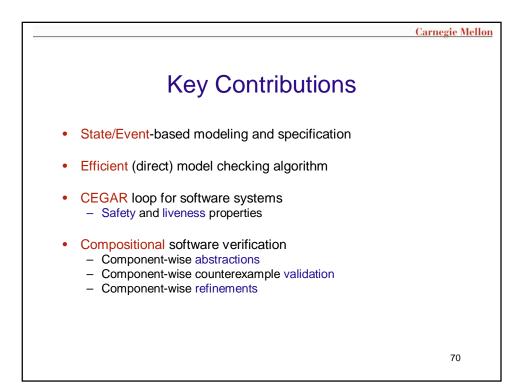


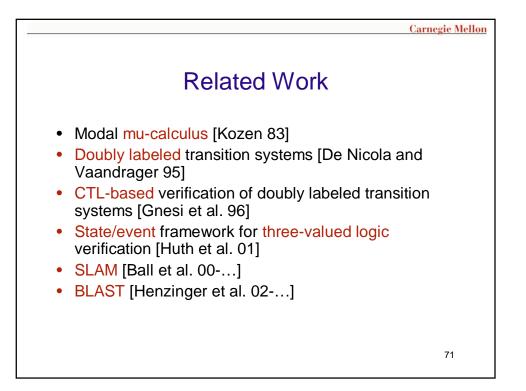


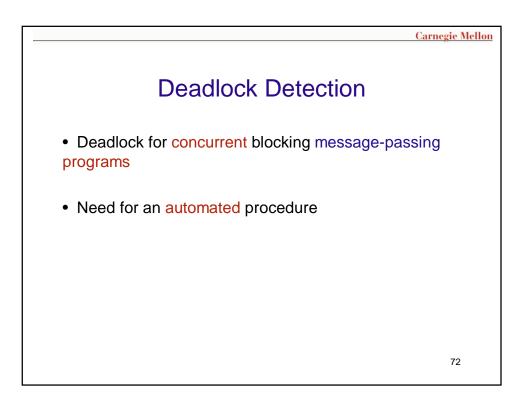
							Cai	megie Me				
Results												
Name	St-B Tr-B St-Mdl T-BA T-Mdl T-Ver T-Tot Mem											
SS	25	47	7951	0.690	48.8	6.84	56.9	39.3				
SE	20	45	4331	0.497	18.8	2.92	22.8	24.2				
SS	25	47	7574	0.699	43.6	1.65	46.4	38.1				
SE	18	40	3691	0.407	15.3	1.089	17.3	21.2				
SS	25	47	24.8 M	0.874	65.6	X	Х	851				
SE	20	45	13.6M	0.655	33.1	2.17	2207	162				
SS	25	47	32.6M	0.836	66.0	X	Х	347				
SE	18	40	15.9M	0.713	34.6	4149	4185	321				
BUG	8	14	873	0.205	3.41	0.261	3.88	Х				
								67				

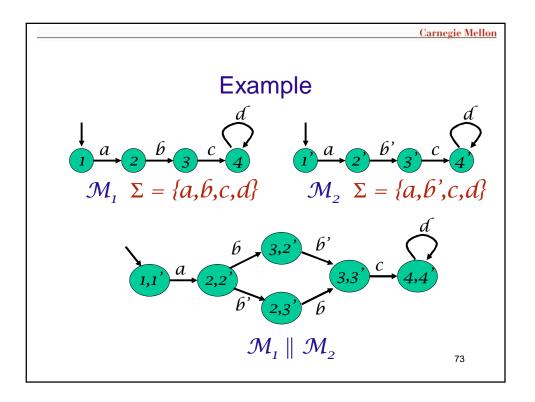


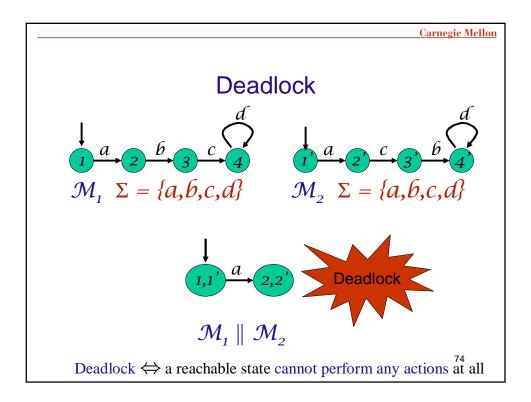


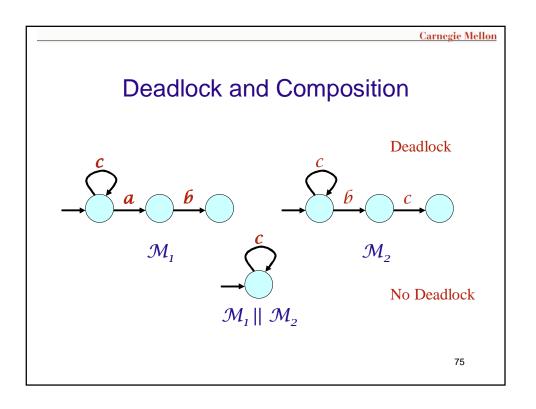


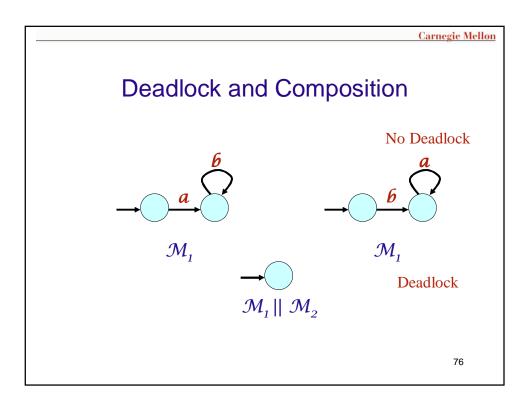


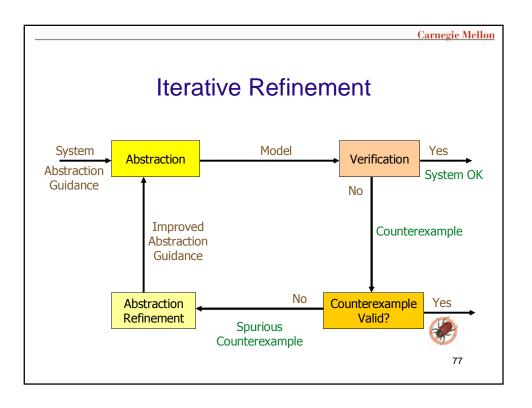


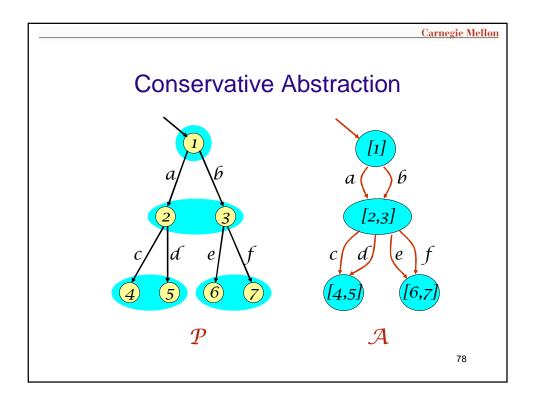


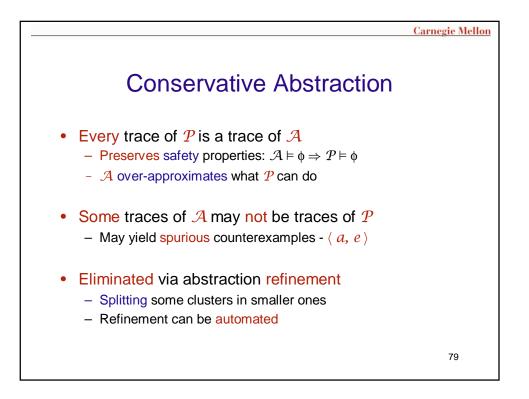


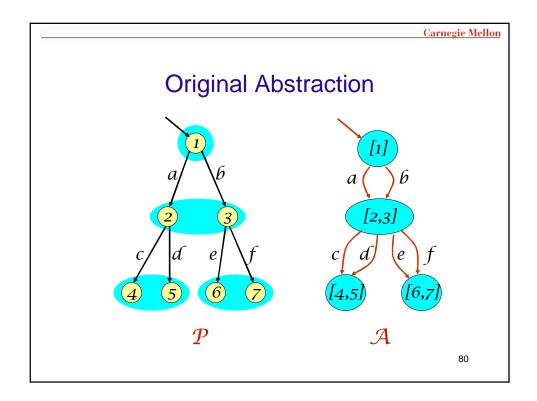


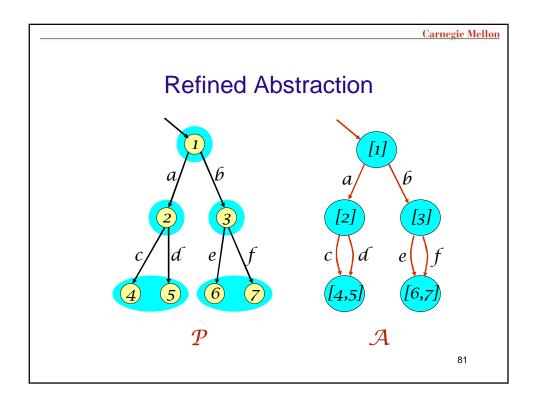


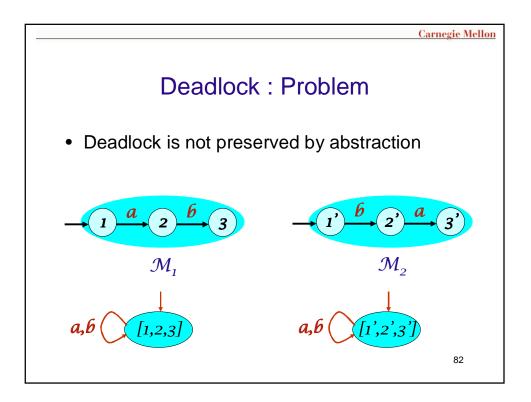


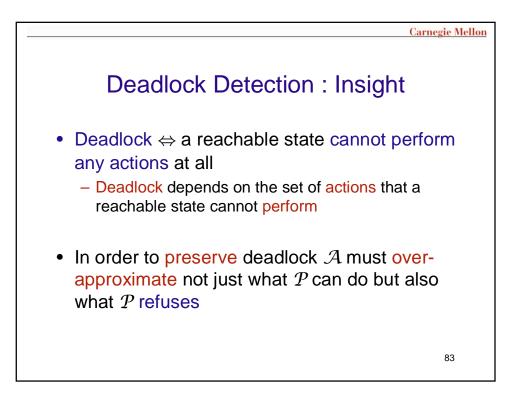


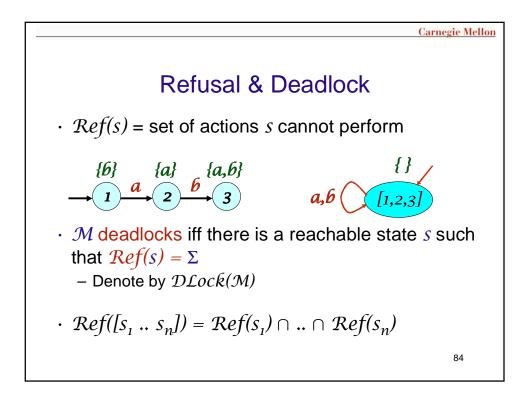


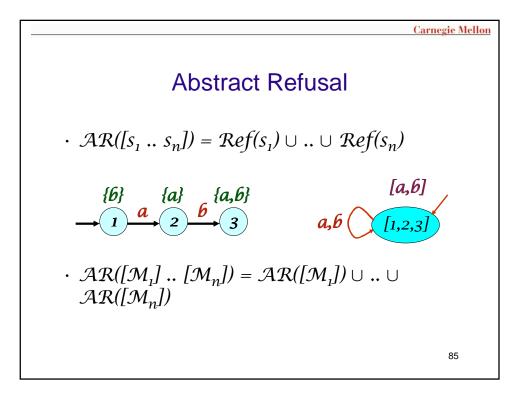


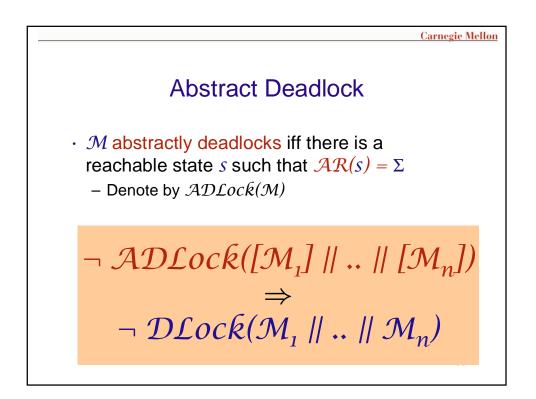


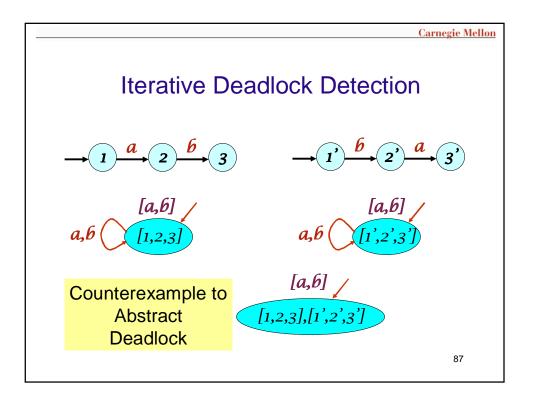


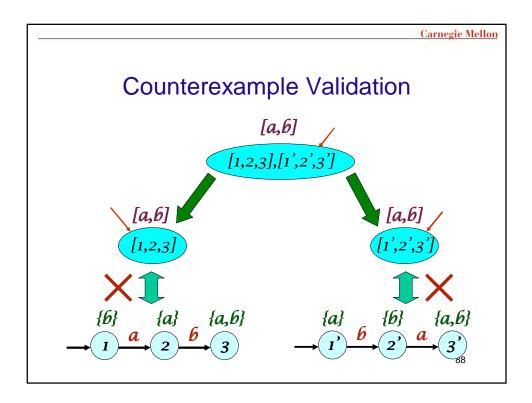


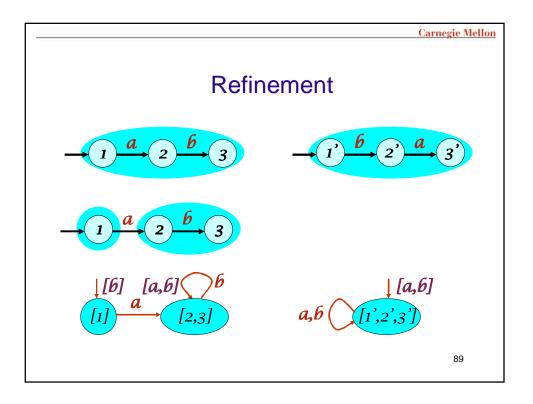


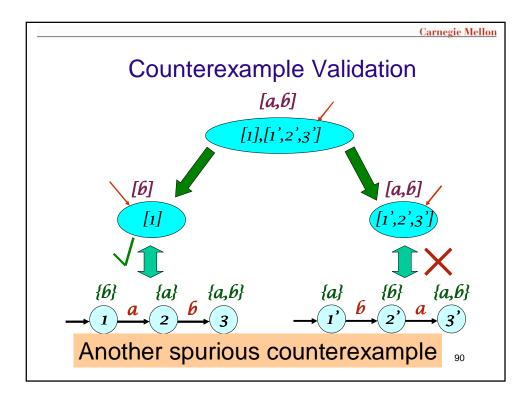


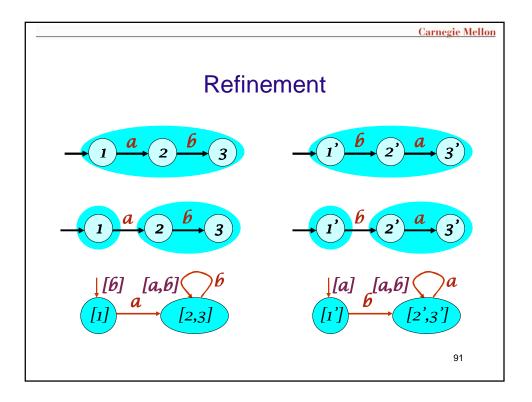


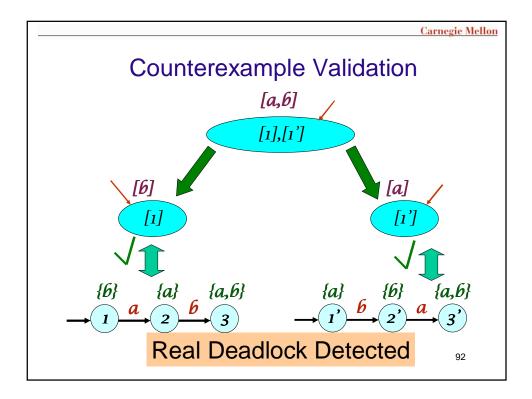


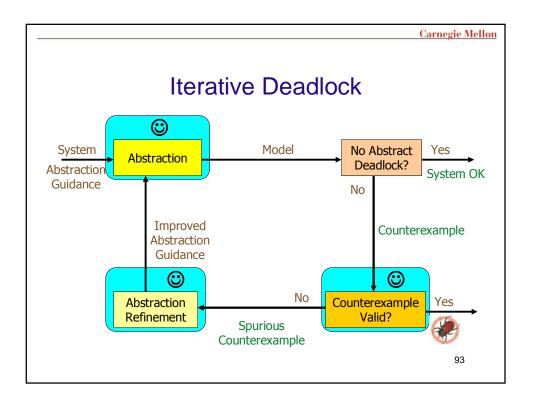


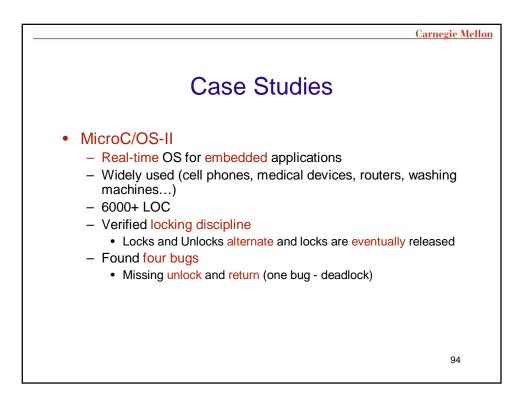


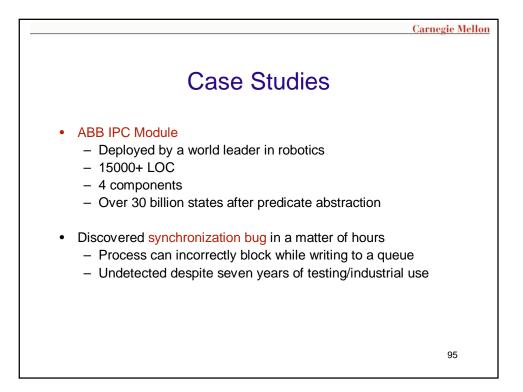












Results							
Name	Plain			IterDeadlock			
	St	т	Mem	St	lt	т	Mem
ABB	*	*	162	1973	861	1446	33.3
SSL	25731	44	43.5	16	16	31.9	40.8
μCD-3	*	*	58.6	4930	120	221.8	15
μCN-6	*	*	219.3	71875	44	813	30.8
DPN-6	*	*	203	62426	48	831	26.1
DPD-10	38268	87.6	17.3	44493	51	755	18.4

