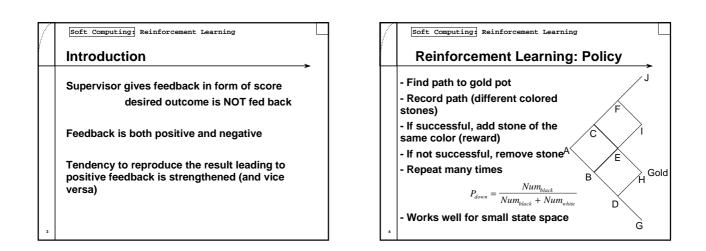
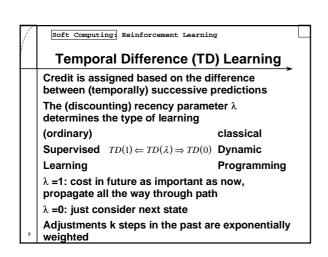
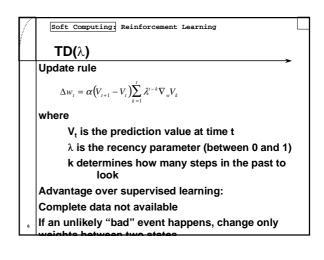
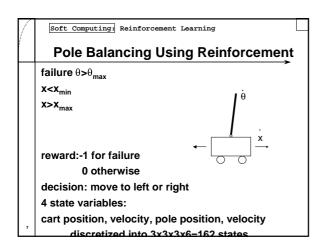


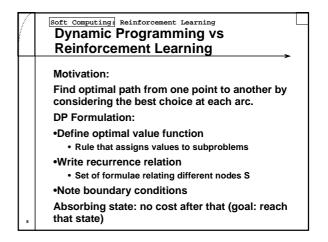
	Soft Computing: Reinforcement Learning
	What we will talk about
	Temporal Differences
	Dynamic Programming
	NN Implementation
2	

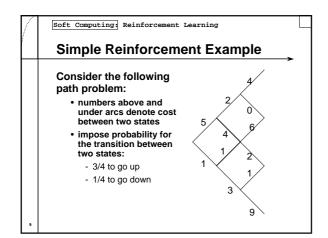


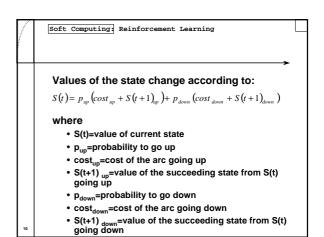


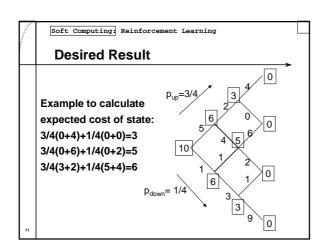


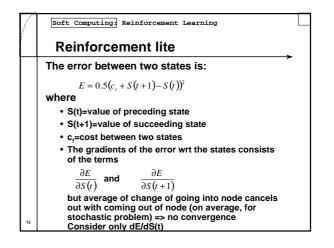


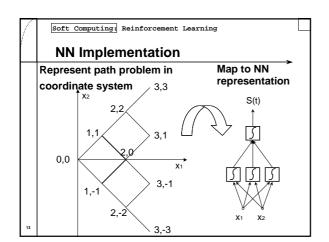


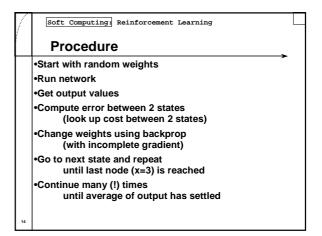












/	Soft Computing Reinforcement Learning
	Observations
	Manipulating the parameters was crucial
	$\beta$ needed to be < 0.01
	Varying numbers of hidden nodes was used (1-10)
	n>3 needed for convergence
	changing $\eta$ seemed to have no effects
15	

	Results											
	beta	eta	# cycles (exp)		S(0,0)	S(1,1)	s(1,-1)	S(2,2)	s(2,0)	s(2,-2)	SSE	
11	0.01	0.1		3	10.282	6.617	6.378	2.95				
11	0.01	0.1		4	10.276	6.633	6.35	2.944	3.923	3.469	1.98	
11	0.01	0.1		5	10.301	6.675	6.311	2.929	4.013	3.379	1.76	
11	0.01	0.1		6	10.321	6.696	6.309	2.939	4.049	3.516	1.85	
11	0.1	0.1		6	9.883	6.601	4.195	3.101	4.755	4.487	5.91	
11	1	0.1		6	9.009	6.475	7.812	3.921	5.073	5.638	12.30	
11	0.01	0.001		6	10.009	5.993	6.133	3.194	4.72	4.293	1.90	
11	0.01	0.0001		6	9.991	6.356	5.533	3.627	3.619	2.739	2.73	
11	0.01	0.1		5	10.301	6.675	6.311	2.929	4.013	3.379	1.76	

