CS 161: Discussion 6

Friday, May 5, 2011

1	First-(Order	Logic	Exampl	les
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Convert the following f	rom English to fi	rst-order logic:		
(a) Everybody loves some	ebody sometime.	(Note: $Loves(x, x)$)	(y,t) means x loves	s y at time t .)
(b) Optimus Prime likes	trucks.			
(c) Optimus Prime likes	all big trucks.			
(d) Optimus Prime doesn	't like any (type	of) airplane.		
(e) Not all robots can tra	nsform into both	a truck and an	airplane.	
(f) Some students at Hog	gwarts took Potic	ons in the winter.		
(g) There is a person who	o sells lightsabers	only to people v	who are not Jedis.	
(h) There is a Jedi who d	efends all Wooki	ees who do not d	lefend themselves.	
(i) Politicians can fool so some of the time, but				l of the people