

CS 161 Assignment 5 cont.	Alvin Lim 804 OU 675
2 () 7 Mythical v 7 Mortal, (2) Mythical v (Mortal Mammal)	604 o w 0 : 3
(5) - Mortal v (Mortal n Mammal) = (-Montal v Mammal)	
3 (Mortal & Mammal) & Horned, 5 (7 Mortal & Mammal) : Derive	ed Rules ;
@ Horned ; @ Hor	A
4) - Horned & Magical, (6) Horned (5) Mag	jical
(7) Magical	
We can prove that the unicorn is Horned ave but we can't prove that it is Mythical.	iol (lagital)
3 a 0={x/A, √B, ²/B}	
16 No Unification; x cannot be both A d-B.	
\square $\sim Cul / \sim /2 \cdot 2$	
[] No Unification; x cannot be both y & Father(y).	
田回のYx (Food (x) → Likes (John, x))	
in @ Food (Apples)	
3 Food (Chicken) (1) Kay Kitty (Eats (4,x) ~ Kill (x,y)) -> Food (x))	
(Earsup, κ) (Ear	
@ Eats(Bill, Peanuts) ~ Alive (Bill)	
⊕ ∀x (Eats (Bill,x) → Eats (Sue, x))	
16 0 - Food (x) v Likes (John, x) @ Food (Apples) (3) Food (Chicken)	
(TEats (KUD, 4) ~ Kill (M, KUD) v Food (4)	
(Bill (K(x),x) V 7 Alive(x) (Bouts (Bill, Peanuts) A Alive (Bill) => (B) Eats (Bill)	(eth.)
(a) Forts (Bill, regners) x Alive (Bill) (b) Alive (Bill)	

CS 161 Assignment 5 cont. 2	Alvin Lim
4 C 6= { Y Peanuts, KW/B:113	804 04 675
Eats (Bill, Peanuts), 7 Eats (Bill, Peanuts) V Kill (Beanuts, Bill) V Food (Peanuts)	
(B) Kill (Peanuts, Bill) v Food (Peanuts)	
BO= SKX/Peanuts, X/Bill >	
(8) Kill (Peanuts, Bill) ~ Food (Peanuts), TKill (Peanuts, Bill) ~ TAlive (Bill)	
(3) Food (Peanuts) v - Alive (Bill)	
Food CPeanuts) + Alive (Bill), Alive (Bill)	-
(19) Food (Peanuts)	
	_
(D) = {x/Peanuts} ~ Food (Peanuts) ~ Likes (John, Peanuts), Food (Peanuts)	
(1) Likes (John, Peanuts)	
John likes Peanuts	
[d] (Ga) (Fearuts) (Fats (Bill, Pearuts) V Fats (Sue, Pearuts))
Eats (Sue, Peanuts)	
Sue eats peanuts.	
DTFOOD (K) V Likes (John, K) (3) Food (Apples) (3) Food (Chicken) (4) TEats (K(y), y) V Kill (y, K(y)) V Food (y) (5) T Kill (K(x), X) V TAlive (X) (6) Eats (X, K(X)) V Die (X) (6) Tole (Bill) (7) TEATS (Bill, X) V Eats (Sue, X) (6) +(B), O={x/Bill} (7) Tole (Bill) (8) Tole (Bill) (9) Fats (Jue, K(Bill)) Sue eats what Bill eats; already in specify further.	KB, cannot
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