



From First level of atomic Stademanh Annual) American (Robert) Missiles (y) Own (A,y) Enemy(x Weapons (y) Ho
Sold (A, y, Robut) Criminal (Robert) Algorithm: forward-chain (168, d) Assuming KB represents all correct knowledge & represents atomic query to be validated and the state and a lot have while new ! - { que / man hais for Twe in KB do (not (p, Ap. Ap. >9,) \$ Standardig - variable for O in new st (6, p, p p = (0, p'Ap' . p') or / elactifor plap inks (D, q) - 80bs+(D,q) if glass not unify some sendence in new + = 91 Honor of Chipy (gird) which if not Q return Falx else nehm @ P new to KB to new Reten Falx

	Date Page
	General Argonitum
	- Consider all atomic sentenon in KB
	- Rent Add sentences to KB S. T all
N. Carlotte	Can be injured one large from coney
	level of sendences and required atomic
	Sentences already in EB.
	- It not find sentence not in les, neture
	False else reles used
	No. 1997
	The state of the s
<u>→</u>	Resolution using Fol
	A John Colon
13-31	Consider the following Sentence:
	1) food (2) -> liker(John, 2)
	2) food (Apple)
	3) food (vegetables)
	m) reds (ya, 2) ax killed (qy) -> food (2)
	(mily Penuly)
3.74	6) alive (Apri)
	E) killed (x) v alivelx)
	7) Tkiked (m) v Talively)
	T
	To prove 4: like (John, Peanon)
	Adding regation (7 like (John, Peanuts))
	to LB and nesolving
	The Book of the State of the St
11	

