Atgrowthm:

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I mitialize the greet do 1 not empty:

-ru	a) pop a Statement from the agenda.
	b) if the statement is already known, northing
eur	Set of known fold.
and a second	d). If the statement is a such, apply the such to the generals the new statements a add then to the agenda.

	A Princip and a superior of the superior of th
130	Code for KB comisting for a priore the given
	Impart vie
	deg is lawable (x): neturn len (x) = 2 and x. islower() and x. isalphas()
	def get Albributs (string) expor = 1 (((^) -) +1)' matches = sie-fradl (expr. string)
	deturn matrices
	def get budicate (stry) out = '([a+zz]+) ([^&1]+)' return refilable (expr., string)
) Tre	deg:fuit (self, expression) sey responsion = expression = self, split Expression expression
	self-predicate = predicate self-predicate se
	suf. viosult 2 ary Cont

duf getresul (sey): suturn self our cut def get Constant (sey): self povom 3 Clon Fuplications def int -- (self, expression): sit expuention = exporention 12 expression. sput ('=>') self: line = [fact(f) for f in 1(0): spect(u)] self ons = fact (1(1)) def eta evaluate (sulf, feuh): Constants = 83 new_bhs = [] for fact in facts. for val in rely. the 18 17 val prieditate 22 fact. poseditate: for i, v, in enumerate (val. get burgen (1 court [v]2 fact : getlorstoubl) new Ins. append (fact) for key in constants actitlents [ky]:

actitlents = attributes proviplace 1 ky, longful



	Bafna Gold — Date: Page:
	rupum Part (exar) it les I new !!
	return fact (expr) if len (new-lhs) and all (Ct.
	got Bresunt () for fin new thy ?) else
	Classified KB
	Carl Ditar 1
	def -init - (sey):
	sey-faut = set()
	self. tuplication 2 set()
	det tell (set, e):
	if =>' rne
	seff-implication add (Implication ces)
	E 194 °.
	self. facts. add (fact(e))
	for i proles implications:
	res = i. evoluale (sef. facts)
	it su:
	self backs add (ses)
-	den deda (sell):
	privit (Aufant: ")
-	
	for f m self. facts]): periut (f + 1 i+13. (+3')
	12 f (+ (i+1 3. (+3'))
	print C.
	Kb-zKBI) Kb-itell ('Ring (X) & guesdy (x) => evil (x)') Kb-tell ('Ring (John)')
	Kb - tell (Rpig () + garding
-2	res tell (ring sonn)
yD_	Vers - tell ('goreedy (John)')

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	Kb. quay (revise (x)') Kb. quay (evise (x)')
	Sutput
	Dueryry evil (t) 1. evil (John)
	tu "
Land Janes	
,-	
	Many test about the same
	The same of the same

Output:

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In []:
    kb_ = KB()
    kb_.tell('king(x)&greedy(x)=>evil(x)')
    kb_.tell('king(John)')
    kb_.tell('greedy(John)')
    kb_.tell('king(Richard)')
    kb_.query('evil(x)')

Querying evil(x):
    1. evil(John)
```