	Toda service es
29/12/201	
	Las-7
6	MANAGEMENT OF THE STATE OF THE
⇒ 01	breate a knowledge based ustry propositional logic & then that the given query entails the browledge base our not.
	Algorithm'
	Knowledge Base Clon:
•)	suitalization:
	def_init_(sey):
-	Self-Maures = []
	empty list
(0)	Adding a clauser:
~~	Appends onew clause to the Cost of cours
<i>b</i>	In the knowledge base.
	Resolving Clauses:
	Compine two clauses by presolving
	SACTOR
(0)	Negate the Query:-
2)	Obtain the negation of query. Combine with knowledge Base:
•>	Check satisfip bilty!
	201 201 21 11
	(check five conjuntion in 1900 of

Code(1)	fuom simpy import symbols
	def (mater-knowledge-basel) p 2 symbols ('p') q 2 symbols ('q') r , symbols ('n')
	knowledge-base = And (Implies (P1a), Implies (q) Not-(st)
	supurn knowledge bast
	def query-entails (knowledge-bast, query) entailment 2 satisfrable (And (knowledge-be Not (query))
	steturn bot = cutail neut.
	if -nome == " - main - " Kb = Creak - knowledge = bone () query = Symbols ('p') elesur- = query - entails (Kbiquey)
	print (" knowledge. Base ", Kb) furt (" duery ", query) angra (" query entail knowledg base ", mesur)
(Julput:
	enowledge sore: ar & (implies (P,Q)) & (Implies (q,
	Query entuits knowledge benne : fals.
	The state of the s

Output:

F. ----, -----,

Knowledge Base: ~r & (Implies(p, q)) & (Implies(q, r))
 Query: p

Query entails Knowledge Base: False

[] Start coding or generate with AI.