	Date
Expt. No.	Page No.
	Widhesh takhinana
import re	i BMI8UDY9
clas fact:	
det mit (self, eupr	The state of the s
self expressions	
predicate / par	an = self. splitenpression lenguession
self. predicate	
self. pavam z	pavams
Selv. vesolr =	any (cell. gel Constraints (1) &
1 C = 1 = 1 = 1 = 1	
der split Enprenden (
predical = 0	get Predicales (Cyprenion) To J
pavam = get	Athibutes (expression) (0). ship ('C)'). split(',') Licale, parans J.
ve norn / pre	dicat, params J.
Clarette Color to	
classe Implication:	
del init - (sell, enpression):	
Self- Eupression = eupression) = eupression. Splik ('=>')	
self. lhs = (Fact(F) borfin & ToJ. split('&')]	
self. Ms 2 fach (1 TiJ)	
Ser. Ms z	rain (l')
def evaluate Gerf	
Combands : LJ	
new-lhs = C	
for fact in facts:	
if who val. predicale = - Paspredicate;	
IN The concare = Marghed 11(0)	

Teacher's Signature: ____

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for i, V in enunerate (val. getraviables ():
                                      countair to Ev) - baste. get courtaits () [i]
                                if V
                           new_ Mas = append (facts)
      prédicale, a Milhou = get prédicater (all, Mr. expression 1 To7, star
            string (goldthilaty (all the engineen ) ToI)
       for ky in ambati :
            It combach (key):
                  othibotes = altitutes · Veplace (key, combants [my])
            eypv = F' [prediat] { a tributes}
           retorn Fait (eym) if low (new-lh) & all (If gib result () for
       G in wew-lhs )) dse none
class leb:
       dr ivit (polf):
           self. Faths sitc)
            self implications = set ()
       Let full (ast, e):
           if '=>' in e:
                 cell implication add Implication (e))
            elce.
                 self. fatis. and ((Fach (e))
             for to in self implications:
                   ver = i-cralvate (self. facts)
                    of ves: -
                           sel back add (ver)
```

det query (set, e): Each = set (Tf. eupression for I in self. Facts]) print (f' Overying (e): 1) for f in facts: of facts (F). predicate = = Faitle). predicate
print (F' It It). If]')

AND .