LAB TEST - 2 ywry singh 1BM1805126 def CLEAR W: global kb Kb= [] def Tou (sentence): global kb if is clause (sentince): Kb. append (sentence) else: sentine ONF : convert CNF (sentence) of not sentence CNF: print (" Jugal uput) return if is AND list (sentence CNF): for 5 in sentinu CNP [1:7: Kb. append (s) else: kb. append (sentinue CNF) of ASK (sentince): global Kb if is clouse (sentence): neg. negation (sentinu) else: sentence CNF = convert CNF (sentence) of not sentence ONF: smid (guegal) return Convent CNF (negation (sentine CNF))

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ask- lut = []
if is And list (neg):
    for n in neg [1:]:
      n CNF = make CNF(n)
     y type (nenf) . - - name - - = 2 1 list ".
          ask - list . insert (O, MCNF)
     else: ask - list. insent (0, nCNP)
    ask: list = [nig]
danses = ask - list + kb[:]
while Frue!
    new-lauses = []
   for a mi clauses:
      for c2 in clauses:
          if c1 is not in c2:
             resolved = suesolve (c1, c2)
             y resolved == False:
              continue
            if resolved == []:
              return Frue
           new-lauses. append (resolved)
 if len ( new-clauses) = = 0;
    return False
ner- ni- clauses = True
for n in new-clauses;
    of n not in clauses:
          new-mi-Clausesz False
           clauses. append(n)
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of mak senteree (oy): if nw- in_ clauses: return false y ilieral (of) or in Not list (ry): return (cog) dy resolve (avy-one, arg-two): if i or list (avy): resolved = false returns clear-diplocet SI = make-sentinel (cuy-one) Cary[1:]) 32 = marke - sentence (ay-two) return resolve SIZ From None # negation resolve sz 2 None def negation (sentence): for i m s1: of is literal (sentence): y is Nothist (i): return ['not', sentirer] al = i[i] if instlit (sentince): al-note Trul return sentence [1] else: a1=i if it And hit (senterce): al not = False result = ['or'] j m 32: g is Nother t Cj): a 2 = f Ci] a 2 - m t = True for i > sentul [10,]: y a Nothot (sen) would append (i'l') che - az - not z Falle. clse: reshit uppend y a1 = = a2: (['not! sen]) y a1-not 12 a2-10+: return result I y resolved: if is or list (sentency): return False result = ['and'] else resolved = True for i > sent resolved_s1=1 y is Nothist (sen) resolve- 52= } risult appendi if not resolved: palse. che result append (Enot; 1])