```
def negate-liberal (literal):
          if literal [o] -= 'w'
           return literal [1:]
            return '~' + literal
     def susohue (CI, (2):
       orusolved daure = set (c1) | set (c2)
       for etaal in cl:
         if regate-literal (literal) in (2:
          rusohied - clause. remove (lilieal)
                                - (regate-literal (literal))
     return tuple (esolved_dause)
  def resolution ( kB)
     rew-dauses = set ()
     for i, ci in enumerate (KB)
       for j 9 (2 -1 (KB)
        if i!=j:
           new-dause = resolve (C1, C2)
           if lin(new-dause) > 0 & new-clause not in
            new-danses. add (new-danse)
 Output:
KB: (AV~B) A (BV~C) A C ANA
```

```
rules = "Rv\sim P Rv\sim Q \sim RvP \sim RvQ" \#(P^Q) <=>R : (Rv\sim P) v(Rv\sim Q)^(\sim RvP)^(\sim RvQ)
79
       goal = 'R'
80
       main(rules, goal)
 81
PROBLEMS
           OUTPUT
                     DEBUG CONSOLE
                                      TERMINAL
                                                 PORTS
PS C:\Users\neha2\OneDrive\Documents\NehaKamath 1BM21CS113 AILab> python -u "c:\Us
         |Clause |Derivation
Step
1
          RV~P
                   Given.
2.
                   Given.
          Rv~Q
3.
          ~RVP
                   Given.
                   Given.
4.
          ~RVQ
                   Negated conclusion.
5.
          n.R
                   Resolved Rv~P and ~RvP to Rv~R, which is in turn null.
 6.
A contradiction is found when ~R is assumed as true. Hence, R is true.
PS C:\Users\neha2\OneDrive\Documents\NehaKamath 1BM21CS113 AILab>
```