```
USN - BM19CS 406
 Name - SHALINI P
 Class- 5B CSE
  Botch -3
An Convert FOL to CNF
  det fol-to-cnf (fol):
      statement = fol. replace ("<=>", "_")
While '-' in statement:
         i = statement.index('_')
         new statement = '[' + statement[:i]+ '=)' + statement
         [i+1:] + '] 1[' + statement [i+1:] + '=>' + statement[i] +]'
          statement = new-statement
      Statement = statement. neplace ("=" "-")
      expr = '\[([1]]+)\]'
      statements = ne findall (expr, statement)
      for i, & in enumerate (statements):
           if '[' in s and ']' not ins
             Statements [i] + = ']'
            S in Statements:
            statement: statement, replace (s, fol-to-conf(s))
       While & '_ in Statement:
              i = statement : index ('-')
              br = statement (nden ('[') if '[' in statement close of
              New Statement = " + statement [ bor; i] + i + statement
               statement = statement [: br ] + new-statement of
                       br >0 else new_statement
        while ' ~ V' in statement.
                 1 = statement. Ender ( ~ A + )
                 statement: list (statement)
                 statement[i]: statement[i+1], statement[i+2]=13
                statement = "join(statement)
       while '- I' in statement:
                i = statement index ('~ ])
                s = list (statement)
                s[i] s[iti] | s[+2] = '+15[+2], '~"
                statement = 'Join(s)
```

statement = statement replace ('n[+', '[-+')

statement = statement replace ('n[+', '[-+')

expr = '(n[+]+.)'

statement = re. find all (expr, statement)

for s in statement:

statement = statement replace (s, fol-to-conf(s))

expr = 'n[[1]+\]'

statement = re. findall (expr, statement)

for s in statement:

statement = statement replace (s, bettergan(s))

full statement = statement replace (s, bettergan(s))

full statement statement