Vinay Kumas 1BM18CS153

1. Unitication

nofred = 0

[(01) spros ni i sot snow) = peron

Nouse 2 11

[(o) parge i in sarge(10)]

agament = [[None tox; in sange (10)] tox;

in sangello)]

det main():

beefer ladolf

while (chaq == 'y'):

print (" \*\* \* PROgram for unitication \* \* \* ")

notred = int linbut l"Enter Number of

predicates: "))

for i in sange (nolseg):

Print (" Enter predicate", (i+i), ":").

() tug ni = [i] stasibard

brint ("Enter no. of Arguments

for predicate", predicate [i] ":")

noAngli] = int (input ()

tor i in garge (roang [i]):

print ("Enter agrement" 141, ":")

agament (i)[i] = Thute()

bring a Bicate ()

check-agy-predl)

that = input ("Do you want to

continue (4/n):")

```
VINAY KUMA
det ' print Predicate ():
                                              1 BM 18CS US
       print (" * * * predicates ARe * * ")
       tos: in sange (no hed):
           print (predicate (i], "(", end = "")
             tor i in range (noAlg [i]):
                   print (agament Ci)[i] end="")
             lesting
                   if (1:1- NOASQ[1]-1):
                           brint (",", end = "")
                    ? (" (") #risd
        unify():
  det
          +1ag = 0
           ter i in sange (norsed -1):
                tost i in sange (no Asgli):
                    Ensurges 2! [Willis trampes) +1
                                             にもうしょう
                         flag = 0
                          if (+1000==0);
                              print (" * * * Substitution is
                              [i][i+i] tramples) tring
                                          " / " agament
                                               CiJ(iJ)
                               tlag t=1
                   · if (+lag ==0):
                       print (" Arguments are Identica!")
```

+10g+=1

(notbut Heduz to Goon ON") tring

```
1BMIBLS 153
                                             vinay humal
det check - asg- psed():
        pregtlag = 0
        0= yealt peo
         for i in sange (notsed-1):
                it (Predicate (i) != predicate (i+1)):
                       brint ("Predicates are not some")
                       print ("Unitication cannot proyect")
                    bredtlag = 1
                 · break
           14 ( pred+lag 1=1):
              0 = bni-
                Key = MOARg[ind]
                to length = len(no Asy)
                 ter i in sange (o, key-1):
                         it i>= Key:
                           · continue &
                          it ind 1 = headth -T:
                                ind += 1
                                 Key = no ARg [ind]
                              if (notigetaonal (i)getaon) fi
                                  ethomopeoto on of third
                                           ("me tor see
                                  print ("Unitication
                                              Cannot progred"
                                     alg tlag = 1
                                     break
                    : (1=1 polypood eve out of the of the of the
                              onityer
                                            Vinay Kumay
      main()
```