And the part of th	AT LOD TECT -2 Century Date: Date:
	AT LAB TEST -2 Date: Date:
01	Inter whether the given pair of statements
	can be unified or not. If unification is possible
	write the code for substitutions:
	Justify your answer for these cases also along
	with successful unification
1)	Predicates are différent
2)	Mismatch in Number of arguments
-5/	If the 'aguments are constants.
	Program for unification:
	nofred = 0
	no Ang = [None for i in range (10)] nouse =
	mouse =
	predicate = [None for i in range (10)] argument = [[None for i in range (10)] for i in range (10)]
	argument - ([Now for 1 in raige (10)] for in raige (10)]
	def main ()
	global no fred
	char = 'y'
	while (char = = 'y):
	print (" Program for Unification")
	one fred = int limbut ( forter Number of Fredicates)
	oro fred = int (input (" Enter Number of Predicates")  for i in range (notred):  print ("Enter Predicate", (i+1), ":")
	predicate [i]: input ()
	print ('Enter no. of Argumente for
	each bacdinate " bredicate []]

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print ("Enter arguneit" 111 ":")

argument [i][j] = infut() print Predicate () check-arg-fred () Char = imput ( Do you want to continue (y/m): ") des print Predicate ()
print ("Predicate & Are: ") for i in range (no Predicate): print (predicate [i], "(", end = ") for j in range (moArg [i])!

print (argument [i][j], end="")

if (j!= noArg [i]-1):

print (")")

Print (")") def unify (): for i in range (nofred-1): tor jin range (noting [i]): 1 in range (arolling): if (argument Cil Cj) != argument Ci+17[j]): flog = 0 if (flag = =0): print ("Substitution is") print (argument [+1][7],"/" flag += 1

18m18Cs040 Century Date: AE LABTEST - 2 print ("Arguments are Identical")
print ("No need of Substitution")
flag +=1 if (flag (=0): def cheek - arg - pred (1: for im range (moPred-1 if (predicale [i] != predicale [i+1])

print ("Predicales are not same")

print ("Unification connot progress predflag: 1 (pred flag !=1): key = noflag [ind] lough = len (mc Ang) for i im range (0, key-1):

if i>= key: if ind' = length - 1: key = mc Ang [ind]

(mo Ang [i] != mo Ang [i+1]):

point ("No of anguments are not same") if largflag == 0 and predflag!=1):

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