	and the state of t
8	unification
	Eg knows (John, x) Knows (John, Jane)
	Ly I Tare ?
	(d) of x / Jame }
	Step 1: If term 1 or term 2 ils avariable ar
	a) term 1 or term 2 are identical
	1 return NIL
	h.\ =
	b.) Else if team 1 is a variable
	if term 1 occurs in term 2
	Deeter FAIL
	(.) else if term 2 is a variable
	if term 2 occurs in terms
	vieture FAIL
	ulse
	di) else traling FALL
	d.) else rolum FAIL
	Company Marine 1
	Step 2: if predicate (term!) of predicate (towns
	Section FAIL
	Pteps: number of
	Step3: number of degement of
	Victor FAIL
	Stepy: set (sur st) to NIL
	(3000 31) 200 1312
	Steps: For 1=1 do the trin
	Step 51 For 1=1 do the december of celements in
	a) call unity (it terms, it te 2)
	ped tusues vinto s
	S = FAIL
A CONTRACTOR OF THE CONTRACTOR	Sut FAIL.

-8	topo: c) y S fuil
	The second second
	a.) Apply 5 to the viernainder 8 both 1, FLZ
	6.) SUBST . APPEND (S, SUBST)
	The Latente V
- Rt	tep 6: Reline SUBST
	1 pudicate Same
	The state of the s
	& No Z argum
	3) The 30h
-	ages) amorting the second of the state of the
	the put in sale
1,011	18 Juny Mariath - Hamilton Control
	import ore
	1000
	def get Initial Predicale (expression):
7	echur expression speil ("C") [0]
(-15.3)	def es constant (char)
	Deelseen chan · Supper() ad len(chan) == 1
	def exeptace Attributes (very, old, new):
	attributes = getAltribules (exp)
- His	for index, val in enumerate (alloributes).
	(1912) to 9 upm val = = old:
	(= 1/2) 3.2 man alleri butes [index] = new
	prediate = getInitial predicate (esp)
(2000)	Ocelver prodicate + " ("+ ")" · join (ettribute) +")
	def apply (oxp; Sulestitutions).
	for substituted in Substitutions:
	new, and = Sulartitulian
	exp = replace Attributes (exp, old, new)
	eletien exp.
	des get frist Part (expressio):
	predicate = gettrilial Bredicale (asymmia)
	attributes = get Attribute (expression)
	return new Expression.

	0.02
	defunfy (corp1, corp2)
13411 4	
	Neuton
	if its constant (exp 1):
	retur ((esip2, wigi)]
الدالم الشنمد	
Humber	of check Dawrs (dry , exp2):
mark C	return Fall
- يارسو	attribute count & = len (get Attributes (exp.))
وسلا الاستعادة	altribute Count 2 = elen (getAttibutes (exp2))
	of all but count 1 = attribute cout 2:
	vieture talse.
	head = get fivestpart (expi)
	head 2 = get tirest Part (pop2)
	witial Sulestitution = unify (heads, heads)
	if not initial Substitution:
	delta False.
	Celtur intial Sulstitulion
· Sid	(of interpretation of the country of all its
	tail 1 = getReman And (cexps)
	tail 2 = get Remais Part (exp2)
	are relatively being I don't reight and
" Carolin	into al Substitution : extend (our any Substitution)
	outer indial Sulstitution.
	Lintainelle de manaille de la contraction de la
	material and a dead of the second
1 town	Exp (24 constitution of the second of the
	And well and
	the get problem (experience):
(president a getininal President (ungum)
	ateritaris = gotthinia dulus grania)

output:-

```
exp1 = "knows(X)"
exp2 = "knows(Richard)"
substitutions = unify(exp1, exp2)
print("Substitutions:")
print(substitutions)

Substitutions:
[('X', 'Richard')]
```

```
[7] exp1 = "knows(A,x)"
    exp2 = "knows(y,mother(y))"
    substitutions = unify(exp1, exp2)
    print("Substitutions:")
    print(substitutions)

Substitutions:
[('A', 'y'), ('mother(y)', 'x')]
```