62h 1-70-271-3 cultura in direct proper logic Fine: Installer street with an empty there = Compassion of atoms compasse the The state of the books Alone The ferrord claments "x" and ": " are diplothent so we is read to citetes: Unity socialists; unity the variable " " usith the term "A"? upolate "theta" upth this substitution frida = 1 "x ": " A" & sier = Rouseise unification: Now elements: · For the tribul elements or you and · Bor the terms or Bor Wholate this that = i x i 'A' 'y " 1814 girt - Perult. The final substitution ordo is a " a" : " A ", " y " " B"

Tre true enformions [" P ", " c" x"

" y] and [" P ", " A" " B" be final ed no

Lodo. class Unification Evous (Exception): def point step (step, atom 1 atom 2, thota):

point(f''n step & step y: ?, 2)

print (f'' Unifying & atom 1 y and

& atom 2 y ??) print (file Current Sulestitution Thata: & theta 4 23 def unify var (var, x, theta): else x in theta: return unify (Var, theta[x], theta) thota [var] = x secturen thata def unify (atom 1, atom 2, theta = None, st of=1). theta = & 4 print_step (step, atom 1, atom 2, thota) if atom I = = atom 2: section theta elif isingtance (atom 1, sta) and atom 1 Proupha (): return unify var (atoms, atoms,

: f lem (atom 1): = lem (atom 2); daise Unification Evolor ("Lists have different longths") for all a 2 in 219 (atom 1, alom 2):

theta = unify (a), a2, theta, steption else: viaise unification Evolve (" Cannot unify" tory: tous:

theta: unify (['''', ''' x'', e'' y'']

priont (''' \n Unification isuales gul, they
except unification Evenor as e

priont (''' \n Unification failed:'', e) Output step 1 = Unifying ['P', 'oc', 'y', I and aucrent substitution That a: \$ 4 Step 2: Moudying Poind P account substitution Thota: & 2 Step 3: Unifying oc and D custount substitution Theta: & 4 Step 4: Uniquing y and B account substitution Thata: &'x', 'p' interpolation receive but

in B' 3

MATE