Unification in first order logic

Ago:

Step1: If 4, on 4, is a variable or constant, then:
a) If 4, on 42 are identical, then return NIL.

b) Else if 4, is a variable,

a) then if 4, occurs in 42, then oreturn FAILUPE

b) Else retwin { (42/4,)].

c) Else if 42 is a nariable,
as of 42 occurs in 4, then return
FAILURE

b) Else one horn f (41/42)}

d) Else return FAILUPE:

Step 2: If the initial Predicate symbol in 4, and 92 are not same, then seturn FAILURE

Step 3: If 4, and 42 have a different number of arguments, then return FAILURE.

Step 4: Set Substitution set (SUBT) to NIL

a) Call unify function with the "the element of 4, and put the viesult into S.

b) of S= failure then veturn failure

· c) of s + NIL then do, a) Apply 5 to remainder of both 11 and 12 b) of SURST = APPEND (ST SUBST). Step 6: Return CUBST: OUTPUT (TO) 3 MANAGE MAIS 18 chanse an example to sur : 1. > Example where unification fails 2. Example where unification' succeeds Enter lan 2: 2 unifying turns : Term 1: ('Know', 'John', ('Person', 'Alice')) Term 2: ('Knows', John', ('person', 'Buts)) Unification succeeds. Enter 1 ar 2: 1 unitying torms; Term 1: ('icnews', 'Juhn', ('Person', 'ACC')) Term 2 ° (' Knows', ('person, 'Bob'), Unification failed. and the colours of the sealed mentage west shall a 1 = 2 16