Unify(Y1, Y2)

Steps. it 4, or 42 is a variable or constant, then:

- a) II 4, or 42 are identical, then return NIL.
 - 6) Else if 4, ic a variable
 - a. Then if 4, occurs in 42, then return FAILORE,
 - b. Else return & (4, (4)).
 - () Else : + 42 : sa variable
 - a. A if \$2 occurs into then return Failure
 - b. Else return & (4, (4,))
 - d) Else Mun FAILURE

Step 2: If the initial predicate symbol in 4, and 42 are not same, then return FAILURE.

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

Step 4: Fet substitution set (SUBST) toNIL

Step S: For := 1 to the number of elements in P.

- a) (all unity function with the ith element of 4, and 9th element of 42, and put result into S.
 - 6) 1 ; f s = tailure then return FAILURE.
 - c) : + s + NIZ then do.
 - a. Apply 5 to the remainders of both 11 and L2
 - 6. SUBST = Append (S, SUBST)

Step 6: return SUBST.