align(rootsource, roottranslation):

#if the roots match

if pos(rootsource) == pos(roottranslation):

emit (rootsource, roottranslation)

#if the roots don’t match

else:

emit(rootsource, treetranslation)

return

if rootsource.children != null:

#if a tree corresponds to a leaf

if roottranslation.children = null:

forEach nodesource in treesource:

emit (nodesource, roottranslation)

return

else:

forEach rootsource.child in range(0, i):

forEach roottranslation.child in range(0, j):

if pos(childi) == pos(childj):

align(childi, childj)

#if a leaf

else:

return