```
function simple_tree_matching(A, B)
if the roots of the two trees A and B contain distinct symbols, then
return (0)
m := the number of the first level subtrees of A
n := the number of the first level subtrees of B
Initialization M [i,0] := 0 for i=0, .., m, M[0,j]:= 0 for j=0,...,n

for i:= 1 to m do
  for j:= 1 to n do
    M[i, j] = max (M[i, j-1], M[i-1,j] M[i-1,j-1]+W[i,j])
      where W[i,j] = simple_tree_matching (A_i, B_j) where A_i
and B_j are the ith and jth first level subtrees of A and B
    end for
end for
return M[m,n]+1
```