Simple_Tree_Matching(A, B)

1. **if** the roots of the two trees A and B contain distinct symbols or there is a visual conflict between A and B
2. **then** return (0);
3. **else** m:= the number of first-level sub-trees of A;
4. n:= the number of first-level sub-trees of B;
5. Initialization: $M[i, 0] := 0$ for $i = 0, \ldots, m$;
   $M[0, j] := 0$ for $j = 0, \ldots, n$;
6. **for** $i = 1$ to m **do**
7. **for** $j = 1$ to n **do**
8. $M[i,j] := \max(M[i,j-1], M[i-1, j], M[i-1, j-1]+W[i, j])$;
   where $W[i,j]$ = Simple_Tree_Matching(A_i, B_j)
9. return ($M[m, n]+1$)