

**Algorithm:** SimpleTreeMatching( $T'$ ,  $T''$ )

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1 if  $T'$  has the same label of  $T''$  then  
2    $m \leftarrow d(T')$   
3    $n \leftarrow d(T'')$   
4   for  $i = 0$  to  $m$  do  
5      $M[i][0] \leftarrow 0$   
6   for  $j = 0$  to  $n$  do  
7      $M[0][j] \leftarrow 0$   
8   forall  $i$  such that  $1 \leq i \leq m$  do  
9     forall  $j$  such that  $1 \leq j \leq n$  do  
10       $W_{ij} = \text{SimpleTreeMatching}(T'(i-1), T''(j-1))$   
11       $M[i][j] \leftarrow \text{Max}(M[i][j-1], M[i-1][j], M[i-1][j-1] + W_{ij})$   
12   return  $M[m][n] + 1$   
13 else  
14   return 0
```