**function** MIN-EDIT-DISTANCE(*target*, *source*) **returns** *min-distance*

  $n \leftarrow$ LENGTH(*target*)
  $m \leftarrow$ LENGTH(*source*)
  Create a distance matrix *distance[n+1,m+1]*
  *distance[0,0]* $\leftarrow 0$
  **for** each column $i$ **from** 0 **to** $n$ **do**
    **for** each row $j$ **from** 0 **to** $m$ **do**
      *distance[i, j]* $\leftarrow$ MIN( *distance*[$i-1, j$] + *ins-cost*(*target*$_i$),
                                *distance*[$i-1, j-1$] + *subst-cost*(*source*$_j$, target$_i$),
                                *distance*[$i, j-1$] + *del-cost*(*source*$_j$))