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*($source_j$))