









ALWMRLLPI ALWGPDPAA CTRR
Pairwise Alignment: Traceback
Algorithm Align input: indices i, j, array a given by algorithm Similarity output: alignment in align-s, align-t, and length in len if i = 0 and i = 0 then
$len \leftarrow 0$
else if $i > 0$ and $a[i, j] = a[i - 1, j] + g$ then Align(i - 1, j, len) $len \leftarrow len + 1$ $align-s[len] \leftarrow s[i]$
$align-t[len] \leftarrow -$ else if $i > 0$ and $i > 0$ and $a[i, j] = a[i - 1, j - 1] + n(i, j)$ then
$Align(i - 1, j - 1, len)$ $len \leftarrow len + 1$ $align \cdot s[len] \leftarrow s[i]$ $align \cdot f[len] \leftarrow t[j]$ else
$a_{ij}a_{j}a_{ij}a_{j}a_{j}a_{j}a_{j}a_{j}a_{j}a_{j}a_{$