

if $w \in \text{pattern}[0..m-2]$ then

$\text{shift}[w] = \text{len}(\text{pattern}) - 1 - \max \{i < \text{len}(\text{pattern}) - 1 \mid \text{pattern}[i] = w\}$

else

$\text{shift}[w] = \text{len}(\text{pattern})$