

## (R) Text-o-matic (1/1)

**R1.**

$$\begin{aligned}E &\rightarrow > \\Q &\rightarrow QU \text{ or } NQ \rightarrow NQU \\F &\rightarrow V \\> &\rightarrow I\grave{E}ME> \\UNI\grave{E}ME &\rightarrow PREMIER\end{aligned}$$

**R2.** The simplest solutions for each new case are:

Modify (e.) to:

$$<UNI\grave{E}ME \rightarrow <PREMIER$$

Add the following rule anywhere:

$$TS \rightarrow T$$

**R3.** Many solutions are possible. If the solution is based on the rules for R1, then context must be restricted on rules like  $F \rightarrow V$  to avoid giving outputs like FINGT in the reverse direction. The cases from R2 must also be handled correctly;  $TS \rightarrow T$  is no longer specific enough, since it will produce TSROIS and other errors in reverse. For example:

$$\begin{aligned}RE &\rightarrow R> \\ZE &\rightarrow Z \\Q &\rightarrow QU> \\F &\rightarrow V> \\-VINGTS &\rightarrow -VINGT \\> &\rightarrow I\grave{E}ME> \\<UNI\grave{E}ME &\rightarrow <PREMIER\end{aligned}$$
