

CFG for $\{a^i b^j c^k \mid i=j \vee i=k \vee j=k\}$

$S \rightarrow AX \mid YC \mid Z \mid \lambda$

$X \rightarrow aXb \mid \lambda$

$Y \rightarrow YbYc \mid \lambda$

$Z \rightarrow aZc \mid B \mid \lambda$

$A \rightarrow aA \mid \lambda$

$B \rightarrow bB \mid \lambda$

$C \rightarrow cC \mid \lambda$