Q3

Tuesday, June 16, 2020 8:53 PM

G

$S \rightarrow aS \mid bXc$

$X \rightarrow S \mid \varepsilon$

Chomsky Normal form

$S_0 \rightarrow S$

$S \rightarrow aS \mid bXc \mid bc$

$X \rightarrow S$

$S_0 \rightarrow aS \mid bXc \mid bc$

$S \rightarrow aS \mid bXc \mid bc$

$X \rightarrow S$

$S \rightarrow S \mid Y_a \mid \ldots$

$S_0 \rightarrow aS \mid YC \mid bC$

$S \rightarrow aS \mid YC \mid bC$

$X \rightarrow S$

$Y \rightarrow bX$

$S_0 \rightarrow AS \mid YC \mid BC$

$S \rightarrow AS \mid YC \mid BC$

$X \rightarrow S$

$Y \rightarrow BX$

$A \rightarrow a$

$B \rightarrow b$

$C \rightarrow c$