

Q3

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1:36 PM

Design a CFG for L_1

$$L_1 = \{a^n b^m c^h \mid n, m, h \in \mathbb{Z}^+, 2h = n - 3m\}$$

$$S \rightarrow aaSc \mid aaBc$$

$$B \rightarrow aaBb \mid aaab$$