

Assignment 16

Automata & Theory of Computation

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1. Determine whether or not the following language is context-free and explain why:

$$L = \{a^n b^n c^j : n \geq j\}.$$

$$\begin{cases} S \rightarrow aSb \mid T \\ T \rightarrow cT \mid \lambda \end{cases}$$

생성가능하므로 context-free 하다.