Automata Theory: Assignment 5
Due date: October 11 (Thursday)

Problem 1 (4 points)
Draw an NFA that accepts the language defined by the following grammar:

\[
S \rightarrow aaA \mid \lambda \\
A \rightarrow bbB \mid ccC \\
B \rightarrow bB \mid bC \\
C \rightarrow cC \mid S
\]

Problem 2 (6 points)
Give a right-linear grammar and left-linear grammar for the following language:

\[
\{b^n a b^m a : n \geq 2, m \geq 2\}
\]