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:

$S \to aaA \mid \lambda$
$A \to bbB \mid ccC$
$B \to bB \mid bC$
$C \to cC \mid S$

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

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